

**Annual Administrative Code Supplement
2003 Edition**

DEPARTMENT OF ENVIRONMENTAL QUALITY

DIRECTOR'S OFFICE

GREAT LAKES SHORELANDS

R 281.21
Source: 1998-2000 AACS.

R 281.22
Source: 1992 AACS.

R 281.23
Source: 1998-2000 AACS.

R 281.24
Source: 1992 AACS.

**DEPARTMENT OF NATURAL RESOURCES
LAND AND WATER MANAGEMENT DIVISION
BETSIE RIVER NATURAL RIVER ZONING**

R 281.31
Source: 1997 AACS.

R 281.32
Source: 1997 AACS.

R 281.33
Source: 1997 AACS.

R 281.34
Source: 1997 AACS.

R 281.35
Source: 1997 AACS.

R 281.36
Source: 1997 AACS.

R 281.37
Source: 1997 AACS.

R 281.38
Source: 1997 AACS.

R 281.39
Source: 1997 AACS.

R 281.40
Source: 1997 AACS.

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R 281.41
Source: 1997 AACS.

WHITE RIVER NATURAL RIVER ZONING

R 281.71
Source: 1997 AACS.

R 281.72
Source: 1997 AACS.

R 281.73
Source: 1997 AACS.

R 281.74
Source: 1997 AACS.

R 281.75
Source: 1997 AACS.

R 281.76
Source: 1997 AACS.

R 281.77
Source: 1997 AACS.

R 281.78
Source: 1997 AACS.

R 281.79
Source: 1997 AACS.

R 281.80
Source: 1997 AACS.

R 281.81
Source: 1997 AACS.

R 281.82
Source: 1997 AACS.

PERE MARQUETTE RIVER NATURAL RIVER ZONING

R 281.101
Source: 1997 AACS.

R 281.102
Source: 1997 AACS.

R 281.103
Source: 1997 AACS.

R 281.104
Source: 1997 AACS.

R 281.105
Source: 1997 AACS.

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R 281.106
Source: 1997 AACS.

R 281.107
Source: 1997 AACS.

R 281.108
Source: 1997 AACS.

R 281.109
Source: 1997 AACS.

R 281.110
Source: 1997 AACS.

R 281.111
Source: 1997 AACS.

R 281.112
Source: 1997 AACS.

R 281.113
Source: 1997 AACS.

R 281.114
Source: 1997 AACS.

BETSIE RIVER NATURAL RIVER ZONING

R 281.131
Source: 1992 AACS.

R 281.132
Source: 1992 AACS.

R 281.133
Source: 1992 AACS.

R 281.134
Source: 1992 AACS.

R 281.135
Source: 1992 AACS.

R 281.136
Source: 1992 AACS.

R 281.137
Source: 1992 AACS.

R 281.138
Source: 1992 AACS.

R 281.139
Source: 1992 AACS.

R 281.140
Source: 1992 AACS.

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R 281.141
Source: 1992 AACS.

R 281.142
Source: 1992 AACS.

R 281.143
Source: 1992 AACS.

R 281.144
Source: 1992 AACS.

R 281.145
Source: 1992 AACS.

HURON RIVER NATURAL RIVER ZONING

R 281.151
Source: 1981 AACS.

R 281.152
Source: 1981 AACS.

R 281.153
Source: 1981 AACS.

R 281.154
Source: 1981 AACS.

R 281.155
Source: 1981 AACS.

R 281.156
Source: 1981 AACS.

R 281.157
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R 281.158
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R 281.159
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R 281.160
Source: 1981 AACS.

R 281.161
Source: 1981 AACS.

R 281.162
Source: 1981 AACS.

R 281.163
Source: 1981 AACS.

R 281.164
Source: 1981 AACS.

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RIFLE RIVER NATURAL RIVER ZONING

R 281.171
Source: 1997 AACS.

R 281.172
Source: 1997 AACS.

R 281.173
Source: 1997 AACS.

R 281.174
Source: 1997 AACS.

R 281.175
Source: 1997 AACS.

R 281.176
Source: 1997 AACS.

R 281.177
Source: 1997 AACS.

R 281.178
Source: 1997 AACS.

R 281.179
Source: 1997 AACS.

R 281.180
Source: 1997 AACS.

R 281.181
Source: 1997 AACS.

R 281.182
Source: 1997 AACS.

R 281.183
Source: 1997 AACS.

R 281.184
Source: 1997 AACS.

ROGUE RIVER NATURAL RIVER ZONING

R 281.201
Source: 1981 AACS.

R 281.202
Source: 1981 AACS.

R 281.203
Source: 1981 AACS.

R 281.204
Source: 1981 AACS.

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R 281.205
Source: 1981 AACS.

R 281.206
Source: 1981 AACS.

R 281.207
Source: 1981 AACS.

R 281.208
Source: 1981 AACS.

R 281.209
Source: 1981 AACS.

R 281.210
Source: 1981 AACS.

R 281.211
Source: 1981 AACS.

R 281.212
Source: 1981 AACS.

R 281.213
Source: 1981 AACS.

R 281.214
Source: 1981 AACS.

FLAT RIVER NATURAL RIVER ZONING

R 281.221
Source: 1985 AACS.

R 281.222
Source: 1985 AACS.

R 281.223
Source: 1985 AACS.

R 281.224
Source: 1985 AACS.

R 281.225
Source: 1985 AACS.

R 281.226
Source: 1985 AACS.

R 281.227
Source: 1985 AACS.

R 281.228
Source: 1985 AACS.

R 281.229
Source: 1985 AACS.

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R 281.230
Source: 1985 AACS.

R 281.231
Source: 1985 AACS.

R 281.232
Source: 1985 AACS.

R 281.233
Source: 1985 AACS.

R 281.234
Source: 1985 AACS.

BOARDMAN RIVER NATURAL RIVER ZONING

R 281.251
Source: 1981 AACS.

R 281.252
Source: 1981 AACS.

R 281.253
Source: 1981 AACS.

R 281.254
Source: 1981 AACS.

R 281.255
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R 281.256
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R 281.257
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R 281.258
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R 281.260
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R 281.261
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R 281.262
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R 281.263
Source: 1981 AACS.

R 281.264
Source: 1981 AACS.

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PIGEON RIVER NATURAL RIVER ZONING

R 281.271
Source: 1985 AACS.

R 281.272
Source: 1985 AACS.

R 281.273
Source: 1985 AACS.

R 281.274
Source: 1985 AACS.

R 281.275
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R 281.276
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R 281.277
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R 281.278
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R 281.279
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R 281.280
Source: 1985 AACS.

R 281.281
Source: 1985 AACS.

R 281.282
Source: 1985 AACS.

R 281.283
Source: 1985 AACS.

R 281.284
Source: 1985 AACS.

AU SABLE RIVER NATURAL RIVER ZONING

R 281.321
Source: 1990 AACS.

R 281.322
Source: 1990 AACS.

R 281.323
Source: 1990 AACS.

R 281.324
Source: 1990 AACS.

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R 281.325
Source: 1990 AACS.

R 281.326
Source: 1990 AACS.

R 281.327
Source: 1990 AACS.

R 281.328
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R 281.329
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R 281.330
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R 281.331
Source: 1990 AACS.

R 281.332
Source: 1990 AACS.

R 281.333
Source: 1990 AACS.

R 281.334
Source: 1990 AACS.

PERE MARQUETTE RIVER NATURAL RIVER ZONING

R 281.341
Source: 1992 AACS.

R 281.342
Source: 1992 AACS.

R 281.343
Source: 1992 AACS.

R 281.344
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R 281.345
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R 281.348
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R 281.350
Source: 1992 AACS.

R 281.351
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R 281.352
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R 281.353
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R 281.354
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R 281.355
Source: 1992 AACS.

RIFLE RIVER NATURAL RIVER ZONING

R 281.361
Source: 1992 AACS.

R 281.362
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R 281.363
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R 281.364
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R 281.365
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R 281.371
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R 281.372
Source: 1992 AACS.

R 281.373
Source: 1992 AACS.

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R 281.374
Source: 1992 AACS.

R 281.375
Source: 1992 AACS.

WHITE RIVER NATURAL RIVER ZONING

R 281.381
Source: 1992 AACS.

R 281.382
Source: 1992 AACS.

R 281.383
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R 281.384
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R 281.385
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R 281.390
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R 281.391
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R 281.392
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R 281.393
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R 281.394
Source: 1992 AACS.

R 281.395
Source: 1992 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
DIRECTOR'S OFFICE
SAND DUNE AREAS**

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R 281.408
Source: 1981 AACS.

R 281.409
Source: 1981 AACS.

R 281.410
Source: 1981 AACS.

R 281.411
Source: 1981 AACS.

R 281.412
Source: 1981 AACS.

R 281.413
Source: 1981 AACS.

DEPARTMENT OF ENVIRONMENTAL QUALITY

LAND AND WATER MANAGEMENT DIVISION

INLAND LAKES AND STREAMS

R 281.811
Source: 1998-2000 AACS.

R 281.813
Source: 1998-2000 AACS.

R 281.814
Source: 1998-2000 AACS.

R 281.815
Source: 1998-2000 AACS.

R 281.816
Source: 1998-2000 AACS.

R 281.817
Source: 1998-2000 AACS.

R 281.819
Source: 1998-2000 AACS.

R 281.832
Source: 1998-2000 AACS.

R 281.833
Source: 1998-2000 AACS.

R 281.834
Source: 1998-2000 AACS.

R 281.835
Source: 1998-2000 AACS.

R 281.837

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Source: 1998-2000 AACS.

R 281.839

Source: 1998-2000 AACS.

R 281.841

Source: 1998-2000 AACS.

R 281.842

Source: 1998-2000 AACS.

R 281.843

Source: 1998-2000 AACS.

R 281.844

Source: 1998-2000 AACS.

DEPARTMENT OF ENVIRONMENTAL QUALITY

LAND AND WATER MANAGEMENT DIVISION

WETLAND PROTECTION

R 281.922a.

Source: 1998-2000 AACS.

R 281.924

Source: 1998-2000 AACS.

R 281.925

Source: 1998-2000 AACS.

DEPARTMENT OF NATURAL RESOURCES

LAW ENFORCEMENT DIVISION

SPECIAL LOCAL WATERCRAFT CONTROLS

R 281.703.12

Source: 1984 AACS.

R 281.705.5

Source: 1981 AACS.

R 281.707.8

Source: 1981 AACS.

R 281.709.4

Source: 1982 AACS.

R 281.709.5

Source: 1983 AACS.

R 281.710.7

Source: 1980 AACS.

R 281.710.8

Source: 1980 AACS.

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R 281.711.5
Source: 1982 AACS.

R 281.711.6
Source: 1984 AACS.

R 281.713.8
Source: 1984 AACS.

R 281.714.17
Source: 1984 AACS.

R 281.716.7
Source: 1980 AACS.

R 281.717.9
Source: 1980 AACS.

R 281.717.10
Source: 1984 AACS.

R 281.718.13
Source: 1982 AACS.

R 281.719.1
Source: 1997 AACS.

R 281.720.12
Source: 1985 AACS.

R 281.722.1
Source: 1997 AACS.

R 281.724.3
Source: 1985 AACS.

R 281.725.15
Source: 1985 AACS.

R 281.725.16
Source: 1985 AACS.

R 281.728.9
Source: 1980 AACS.

R 281.730.9
Source: 1983 AACS.

R 281.730.10
Source: 1984 AACS.

R 281.730.11
Source: 1985 AACS.

R 281.736.7
Source: 1984 AACS.

R 281.739.7
Source: 1997 AACS.

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R 281.739.10
Source: 1981 AACS.

R 281.740.10
Source: 1984 AACS.

R 281.740.11
Source: 1984 AACS.

R 281.740.12
Source: 1984 AACS.

R 281.744.7
Source: 1982 AACS.

R 281.744.8
Source: 1985 AACS.

R 281.746.8
Source: 1980 AACS.

R 281.746.9
Source: 1982 AACS.

R 281.746.10
Source: 1983 AACS.

R 281.747.18
Source: 1997 AACS.

R 281.747.21
Source: 1981 AACS.

R 281.747.22
Source: 1981 AACS.

R 281.754.12
Source: 1984 AACS.

R 281.759.11
Source: 1982 AACS.

R 281.761.8
Source: 1983 AACS.

R 281.763.44
Source: 1997 AACS.

R 281.763.45
Source: 1997 AACS.

R 281.763.54
Source: 1997 AACS.

R 281.763.58
Source: 1980 AACS.

R 281.763.59
Source: 1997 AACS.

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R 281.763.60

Source: 1980 AACS.

R 281.763.61

Source: 1980 AACS.

R 281.763.62

Source: 1980 AACS.

R 281.763.63

Source: 1980 AACS.

R 281.763.64

Source: 1980 AACS.

R 281.763.65

Source: 1982 AACS.

R 281.763.67

Source: 1982 AACS.

R 281.764.4

Source: 1982 AACS.

R 281.770.2

Source: 1998-2000 AACS.

R 281.770.13

History: 1954 ACS 82, Eff. Mar. 14, 1975; 1979 AC; rescinded 2001 MR 17, Eff. Sept. 13, 2001.

R 281.771.9

Source: 1980 AACS.

R 281.774.18

Source: 1983 AACS.

R 281.777.4

Source: 1981 AACS.

R 281.780.9

Source: 1983 AACS.

R 281.781.10

Source: 1997 AACS.

R 281.781.12

Source: 1980 AACS.

R 281.782.25

Source: 1997 AACS.

R 281.782.26

Source: 1985 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND AND WATER MANAGEMENT DIVISION
INLAND LAKES AND STREAMS**

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R 281.811
Source: 1998-2000 AACS.

R 281.812
Source: 1985 AACS.

R 281.813
Source: 1998-2000 AACS.

R 281.814
Source: 1985 AACS.

R 281.815
Source: 1998-2000 AACS.

R 281.816
Source: 1985 AACS.

R 281.817
Source: 1982 AACS.

R 281.818
Source: 1982 AACS.

R 281.819
Source: 1985 AACS.

R 281.821
Source: 1982 AACS.

R 281.822
Source: 1997 AACS.

R 281.823
Source: 1985 AACS.

R 281.824
Source: 1982 AACS.

R 281.831
Source: 1997 AACS.

R 281.837
Source: 1985 AACS.

R 281.839
Source: 1998-2000 AACS.

R 281.841
Source: 1998-2000 AACS.

R 281.842
Source: 1998-2000 AACS.

R 281.843
Source: 1985 AACS.

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R 281.844
Source: 1998-2000 AACS.

GREAT LAKES SUBMERGED LANDS

R 281.901
Source: 1997 AACS.

R 281.902
Source: 1997 AACS.

R 281.903
Source: 1997 AACS.

R 281.904
Source: 1997 AACS.

R 281.905
Source: 1997 AACS.

R 281.906
Source: 1997 AACS.

R 281.907
Source: 1997 AACS.

R 281.908
Source: 1997 AACS.

R 281.909
Source: 1997 AACS.

R 281.910
Source: 1997 AACS.

R 281.911
Source: 1997 AACS.

R 281.912
Source: 1997 AACS.

R 281.913
Source: 1997 AACS.

R 281.914
Source: 1997 AACS.

R 281.915
Source: 1997 AACS.

WETLAND PROTECTION

R 281.921
Source: 1988 AACS.

R 281.922
Source: 1988 AACS.

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R 281.923
Source: 1988 AACS.

R 281.924
Source: 1998-2000 AACS.

R 281.925
Source: 1988 AACS.

**LAND AND WATER MANAGEMENT DIVISION
WETLAND MITIGATION BANKING**

R 281.951
Source: 1997 AACS.

R 281.952
Source: 1997 AACS.

R 281.953
Source: 1997 AACS.

R 281.954
Source: 1997 AACS.

R 281.955
Source: 1997 AACS.

R 281.956
Source: 1997 AACS.

R 281.957
Source: 1997 AACS.

R 281.958
Source: 1997 AACS.

R 281.959
Source: 1997 AACS.

R 281.960
Source: 1997 AACS.

R 281.961
Source: 1997 AACS.

**DEPARTMENT OF NATURAL RESOURCES
LAW ENFORCEMENT DIVISION
MARINE COLLISIONS, ACCIDENT, OR OTHER CASUALTIES**

R 281.1224

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Source: 2002 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
LAND AND WATER MANAGEMENT DIVISION
DAMN SAFETY**

R 281.1301

Source: 1993 AACS.

R 281.1302

Source: 1993 AACS.

R 281.1303

Source: 1993 AACS.

R 281.1304

Source: 1993 AACS.

R 281.1305

Source: 1993 AACS.

R 281.1306

Source: 1993 AACS.

R 281.1307

Source: 1993 AACS.

R 281.1308

Source: 1993 AACS.

R 281.1309

Source: 1993 AACS.

R 281.1310

Source: 1993 AACS.

R 281.1311

Source: 1993 AACS.

R 281.1312

Source: 1993 AACS.

R 281.1313

Source: 1993 AACS.

**DEPARTMENT OF NATURAL RESOURCES
STATE WATERWAYS COMMISSION
VESSELS CARRYING PASSENGERS FOR HIRE**

R 281.2001

Source: 1997 AACS.

R 281.2005

Source: 1997 AACS.

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- R 281.2021**
Source: 1997 AACS.
- R 281.2022**
Source: 1997 AACS.
- R 281.2023**
Source: 1997 AACS.
- R 281.2024**
Source: 1997 AACS.
- R 281.2025**
Source: 1997 AACS.
- R 281.2026**
Source: 1997 AACS.
- R 281.2027**
Source: 1997 AACS.
- R 281.2028**
Source: 1997 AACS.
- R 281.2030**
Source: 1997 AACS.
- R 281.2031**
Source: 1997 AACS.
- R 281.2032**
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- R 281.2033**
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- R 281.2034**
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- R 281.2035**
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- R 281.2036**
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- R 281.2037**
Source: 1997 AACS.
- R 281.2044**
Source: 1997 AACS.
- R 281.2045**
Source: 1997 AACS.
- R 281.2046**
Source: 1997 AACS.
- R 281.2051**
Source: 1997 AACS.

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R 281.2052
Source: 1997 AACS.

R 281.2053
Source: 1997 AACS.

R 281.2054
Source: 1997 AACS.

R 281.2055
Source: 1997 AACS.

R 281.2057
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R 281.2058
Source: 1997 AACS.

R 281.2061
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R 281.2062
Source: 1997 AACS.

R 281.2063
Source: 1997 AACS.

R 281.2064
Source: 1997 AACS.

R 281.2065
Source: 1997 AACS.

R 281.2067
Source: 1997 AACS.

R 281.2068
Source: 1997 AACS.

R 281.2069
Source: 1997 AACS.

R 281.2070
Source: 1997 AACS.

R 281.2071
Source: 1997 AACS.

R 281.2072
Source: 1997 AACS.

R 281.2075
Source: 1997 AACS.

R 281.2079
Source: 1997 AACS.

R 281.2081
Source: 1997 AACS.

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R 281.2091
Source: 1997 AACS.

R 281.2101
Source: 1997 AACS.

R 281.2102
Source: 1997 AACS.

R 281.2104
Source: 1997 AACS.

R 281.2105
Source: 1997 AACS.

R 281.2106
Source: 1997 AACS.

R 281.2107
Source: 1997 AACS.

R 281.2108
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R 281.2109
Source: 1997 AACS.

R 281.2110
Source: 1997 AACS.

R 281.2115
Source: 1997 AACS.

R 281.2116
Source: 1997 AACS.

R 281.2117
Source: 1997 AACS.

R 281.2118
Source: 1997 AACS.

R 281.2119
Source: 1997 AACS.

R 281.2120
Source: 1997 AACS.

R 281.2121
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R 281.2122
Source: 1997 AACS.

R 281.2123
Source: 1997 AACS.

R 281.2124
Source: 1997 AACS.

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R 281.2125
Source: 1997 AACS.

R 281.2126
Source: 1997 AACS.

R 281.2127
Source: 1997 AACS.

R 281.2128
Source: 1997 AACS.

R 281.2129
Source: 1997 AACS.

R 281.2130
Source: 1997 AACS.

**DEPARTMENT OF STATE
BUREAU OF DRIVER AND VEHICLE SERVICES
WATERCRAFT TITLING**

R 281.2201
Source: 1980 AACS.

R 281.2202
Source: 1980 AACS.

R 281.2203
Source: 1980 AACS.

R 281.2204
Source: 1980 AACS.

R 281.2205
Source: 1980 AACS.

R 281.2206
Source: 1980 AACS.

R 281.2207
Source: 1980 AACS.

R 281.2208
Source: 1980 AACS.

R 281.2209
Source: 1980 AACS.

R 281.2210
Source: 1980 AACS.

R 281.2211
Source: 1980 AACS.

R 281.2212
Source: 1980 AACS.

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R 281.2213
Source: 1980 AACS.

R 281.2214
Source: 1980 AACS.

R 281.2215
Source: 1980 AACS.

R 281.2216
Source: 1980 AACS.

R 281.2217
Source: 1980 AACS.

R 281.2218
Source: 1980 AACS.

R 281.2219
Source: 1980 AACS.

**DEPARTMENT OF NATURAL RESOURCES
LAW ENFORCEMENT DIVISION
VESSELS CARRYING PASSENGERS FOR HIRE
PART 1. GENERAL PROVISIONS**

R 281.3101
Source: 1982 AACS.

R 281.3102
Source: 1982 AACS.

R 281.3103
Source: 1982 AACS.

R 281.3104
Source: 1982 AACS.

R 281.3105
Source: 1982 AACS.

R 281.3106
Source: 1982 AACS.

R 281.3107
Source: 1982 AACS.

R 281.3108
Source: 1982 AACS.

R 281.3109
Source: 1982 AACS.

R 281.3110
Source: 1982 AACS.

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R 281.3111
Source: 1982 AACS.

R 281.3112
Source: 1982 AACS.

R 281.3113
Source: 1982 AACS.

R 281.3114
Source: 1982 AACS.

R 281.3115
Source: 1982 AACS.

R 281.3116
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R 281.3117
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R 281.3118
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R 281.3119
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R 281.3120
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R 281.3121
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R 281.3124
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R 281.3126
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R 281.3127
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R 281.3128
Source: 1982 AACS.

R 281.3129
Source: 1982 AACS.

R 281.3130
Source: 1982 AACS.

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PART 2. CLASS A VESSELS

R 281.3201
Source: 1982 AACS.

R 281.3202
Source: 1982 AACS.

R 281.3203
Source: 1982 AACS.

R 281.3204
Source: 1982 AACS.

R 281.3205
Source: 1982 AACS.

PART 3. CLASS B VESSELS

R 281.3301
Source: 1982 AACS.

R 281.3302
Source: 1982 AACS.

R 281.3303
Source: 1982 AACS.

PART 4. CLASS C VESSELS

R 281.3401
Source: 1982 AACS.

R 281.3402
Source: 1982 AACS.

R 281.3403
Source: 1982 AACS.

R 281.3404
Source: 1982 AACS.

R 281.3405
Source: 1982 AACS.

R 281.3406
Source: 1982 AACS.

R 281.3407
Source: 1982 AACS.

PART 5. CLASS D VESSELS

R 281.3501
Source: 1982 AACS.

R 281.3502
Source: 1982 AACS.

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R 281.3503
Source: 1982 AACS.

R 281.3504
Source: 1982 AACS.

R 281.3505
Source: 1982 AACS.

R 281.3506
Source: 1982 AACS.

DEPARTMENT OF NATURAL RESOURCES

LAW ENFORCEMENT DIVISION

SPECIAL LOCAL WATERCRAFT CONTROLS

R 281.770.2
Source: 1998-2000 AACS.

DEPARTMENT OF AGRICULTURE

ANIMAL HEALTH DIVISION

R 285.100.1
Source: 1997 AACS.

BOVINE TUBERCULOSIS OR BRUCELLOSIS

R 285.101.1
Source: 1997 AACS.

REGULATION NO. 102. TUBERCULIN TESTING AND CONTROL OF TUBERCULOSIS

R 285.102.1
Source: 1997 AACS.

REGULATION NO. 107. CONTAGIOUS AND INFECTIOUS DISEASES IN POULTRY

R 285.107.1
Source: 1998-2000 AACS.

REGULATION NO. 109. INTRASTATE MOVEMENT OF SWINE

R 285.109.1
Source: 1997 AACS.

REGULATION NO. 110. IMPORTATION OF SWINE

R 285.110.1
Source: 1997 AACS.

REGULATION NO. 114. CONTAGIOUS AND INFECTIOUS LIVESTOCK DISEASES

R 285.114.1

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Source: 1998-2000 AACS.

REGULATION NO. 117. PUBLIC EXHIBITION OF LIVESTOCK

R 285.117.1

Source: 1998-2000 AACS.

REGULATION NO. 118. REDUCTION PLANTS FOR DISPOSAL OF DEAD ANIMALS

R 285.118.1

Source: 1998-2000 AACS.

REGULATION NO. 120. LICENSING OF LIVESTOCK YARDS

R 285.120.1

Source: 1997 AACS.

REGULATION NO. 121. LIVESTOCK DISEASES

R 285.121.1

Source: 1998-2000 AACS.

REGULATION NO. 123. PREVENTING SPREAD OF BRUCELLOSIS

R 285.123.1

Source: 1997 AACS.

R 285.123.2

Source: 1997 AACS.

REGULATION NO. 124. TUBERCULIN AND BLOOD TESTING

R 285.124.1

Source: 1998-2000 AACS.

REGULATION NO. 127. TUBERCULIN TESTING AND TESTING FOR CONTROL OF BRUCELLOSIS

R 285.127.1

Source: 1997 AACS.

REGULATION NO. 133. PUBLIC EXHIBITION OF POULTRY

R 285.133.1

Source: 1998-2000 AACS.

REGULATION NO. 135. SERUMS, ANTIGENS, AND VACCINES

R 285.135.1

Source: 1998-2000 AACS.

REGULATION NO. 140. BRUCELLOSIS-FREE HERDS

R 285.140.1

Source: 1998-2000 AACS.

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REGULATION NO. 141. APPROVAL OF CALFHOOD VACCINATIONS

R 285.141.1
Source: 1998-2000 AACS.

REGULATION NO. 142. AREA TESTING

R 285.142.1
Source: 1998-2000 AACS.

REGULATION NO. 145. MOVEMENT OF SHEEP

R 285.145.1
Source: 1998-2000 AACS.

REGULATION NO. 148. STATEWIDE MEAT INSPECTION

PART 1. GENERAL PROVISIONS

R 285.148.1
Source: 1997 AACS.

R 285.148.2
Source: 1997 AACS.

R 285.148.3
Source: 1997 AACS.

R 285.148.4
Source: 1997 AACS.

R 285.148.5
Source: 1997 AACS.

R 285.148.6
Source: 1997 AACS.

R 285.148.7
Source: 1997 AACS.

R 285.148.8
Source: 1997 AACS.

R 285.148.9
Source: 1997 AACS.

R 285.148.10
Source: 1997 AACS.

R 285.148.11
Source: 1997 AACS.

R 285.148.12
Source: 1997 AACS.

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R 285.148.13
Source: 1997 AACS.

R 285.148.14
Source: 1997 AACS.

R 285.148.15
Source: 1997 AACS.

R 285.148.16
Source: 1997 AACS.

R 285.148.17
Source: 1997 AACS.

R 285.148.18
Source: 1997 AACS.

R 285.148.19
Source: 1997 AACS.

R 285.148.20
Source: 1997 AACS.

R 285.148.21
Source: 1997 AACS.

PART 2. CONSTRUCTION, EQUIPMENT, AND SANITATION

R 285.148.101
Source: 1997 AACS.

R 285.148.102
Source: 1997 AACS.

R 285.148.103
Source: 1997 AACS.

R 285.148.104
Source: 1997 AACS.

R 285.148.105
Source: 1997 AACS.

R 285.148.106
Source: 1997 AACS.

R 285.148.107
Source: 1997 AACS.

R 285.148.108
Source: 1997 AACS.

R 285.148.109
Source: 1997 AACS.

R 285.148.110
Source: 1997 AACS.

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R 285.148.111
Source: 1997 AACS.

R 285.148.112
Source: 1997 AACS.

R 285.148.113
Source: 1997 AACS.

R 285.148.114
Source: 1997 AACS.

R 285.148.115
Source: 1997 AACS.

R 285.148.116
Source: 1997 AACS.

R 285.148.117
Source: 1997 AACS.

R 285.148.118
Source: 1997 AACS.

R 285.148.119
Source: 1997 AACS.

R 285.148.120
Source: 1997 AACS.

R 285.148.121
Source: 1997 AACS.

R 285.148.122
Source: 1997 AACS.

R 285.148.123
Source: 1997 AACS.

R 285.148.124
Source: 1997 AACS.

R 285.148.125
Source: 1997 AACS.

PART 3. PROTECTION OF PRODUCT

R 285.148.201
Source: 1997 AACS.

R 285.148.202
Source: 1997 AACS.

R 285.148.203
Source: 1997 AACS.

R 285.148.204
Source: 1997 AACS.

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R 285.148.205
Source: 1997 AACS.

R 285.148.206
Source: 1997 AACS.

R 285.148.207
Source: 1997 AACS.

R 285.148.208
Source: 1997 AACS.

R 285.148.209
Source: 1997 AACS.

R 285.148.210
Source: 1997 AACS.

R 285.148.211
Source: 1997 AACS.

R 285.148.212
Source: 1997 AACS.

R 285.148.213
Source: 1997 AACS.

R 285.148.214
Source: 1997 AACS.

R 285.148.215
Source: 1997 AACS.

R 285.148.216
Source: 1997 AACS.

R 285.148.217
Source: 1997 AACS.

R 285.148.218
Source: 1997 AACS.

PART 4. ANTE-MORTEM AND POST-MORTEM INSPECTIONS

R 285.148.301
Source: 1997 AACS.

R 285.148.302
Source: 1997 AACS.

R 285.148.303
Source: 1997 AACS.

R 285.148.304
Source: 1997 AACS.

R 285.148.305
Source: 1997 AACS.

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R 285.148.306
Source: 1997 AACs.

R 285.148.307
Source: 1997 AACs.

R 285.148.308
Source: 1997 AACs.

R 285.148.309
Source: 1997 AACs.

R 285.148.310
Source: 1997 AACs.

R 285.148.311
Source: 1997 AACs.

R 285.148.312
Source: 1997 AACs.

R 285.148.313
Source: 1997 AACs.

R 285.148.314
Source: 1997 AACs.

R 285.148.315
Source: 1997 AACs.

R 285.148.316
Source: 1997 AACs.

R 285.148.317
Source: 1997 AACs.

R 285.148.318
Source: 1997 AACs.

R 285.148.319
Source: 1997 AACs.

R 285.148.320
Source: 1997 AACs.

R 285.148.321
Source: 1997 AACs.

R 285.148.322
Source: 1997 AACs.

R 285.148.323
Source: 1997 AACs.

R 285.148.324

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Source: 1997 AACS.

R 285.148.325

Source: 1997 AACS.

R 285.148.326

Source: 1997 AACS.

R 285.148.327

Source: 1997 AACS.

R 285.148.328

Source: 1997 AACS.

R 285.148.329

Source: 1997 AACS.

R 285.148.330

Source: 1997 AACS.

R 285.148.331

Source: 1997 AACS.

R 285.148.332

Source: 1997 AACS.

R 285.148.333

Source: 1997 AACS.

R 285.148.334

Source: 1997 AACS.

R 285.148.335

Source: 1997 AACS.

R 285.148.336

Source: 1997 AACS.

R 285.148.337

Source: 1997 AACS.

R 285.148.338

Source: 1997 AACS.

R 285.148.339

Source: 1997 AACS.

R 285.148.340

Source: 1997 AACS.

R 285.148.341

Source: 1997 AACS.

R 285.148.342

Source: 1997 AACS.

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R 285.148.343
Source: 1997 AACs.

R 285.148.360
Source: 1997 AACs.

R 285.148.361
Source: 1997 AACs.

R 285.148.362
Source: 1997 AACs.

R 285.148.363
Source: 1997 AACs.

R 285.148.364
Source: 1997 AACs.

R 285.148.365
Source: 1997 AACs.

R 285.148.366
Source: 1997 AACs.

R 285.148.367
Source: 1997 AACs.

R 285.148.368
Source: 1997 AACs.

R 285.148.369
Source: 1997 AACs.

R 285.148.370
Source: 1997 AACs.

R 285.148.371
Source: 1997 AACs.

R 285.148.372
Source: 1997 AACs.

R 285.148.373
Source: 1997 AACs.

R 285.148.374
Source: 1997 AACs.

R 285.148.375
Source: 1997 AACs.

R 285.148.376
Source: 1997 AACs.

R 285.148.377
Source: 1997 AACs.

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R 285.148.378
Source: 1997 AACS.

R 285.148.379
Source: 1997 AACS.

R 285.148.380
Source: 1997 AACS.

R 285.148.381
Source: 1997 AACS.

R 285.148.382
Source: 1997 AACS.

R 285.148.383
Source: 1997 AACS.

R 285.148.384
Source: 1997 AACS.

R 285.148.385
Source: 1997 AACS.

R 285.148.386
Source: 1997 AACS.

R 285.148.387
Source: 1997 AACS.

PART 5. DISPOSAL OF DISEASED CARCASSES AND PARTS

R 285.148.401
Source: 1997 AACS.

R 285.148.402
Source: 1997 AACS.

R 285.148.403
Source: 1997 AACS.

R 285.148.404
Source: 1997 AACS.

R 285.148.405
Source: 1997 AACS.

R 285.148.406
Source: 1997 AACS.

R 285.148.407
Source: 1997 AACS.

R 285.148.408
Source: 1997 AACS.

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R 285.148.409
Source: 1997 AACS.

R 285.148.410
Source: 1997 AACS.

R 285.148.411
Source: 1997 AACS.

R 285.148.412
Source: 1997 AACS.

R 285.148.413
Source: 1997 AACS.

R 285.148.414
Source: 1997 AACS.

R 285.148.415
Source: 1997 AACS.

R 285.148.416
Source: 1997 AACS.

R 285.148.417
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R 285.148.418
Source: 1997 AACS.

R 285.148.419
Source: 1997 AACS.

R 285.148.420
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R 285.148.421
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R 285.148.422
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R 285.148.423
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R 285.148.424
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R 285.148.425
Source: 1997 AACS.

R 285.148.426
Source: 1997 AACS.

R 285.148.427
Source: 1997 AACS.

R 285.148.428
Source: 1997 AACS.

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R 285.148.429
Source: 1997 AACs.

R 285.148.430
Source: 1997 AACs.

R 285.148.431
Source: 1997 AACs.

R 285.148.432
Source: 1997 AACs.

R 285.148.433
Source: 1997 AACs.

R 285.148.434
Source: 1997 AACs.

R 285.148.435
Source: 1997 AACs.

R 285.148.436
Source: 1997 AACs.

R 285.148.437
Source: 1997 AACs.

R 285.148.438
Source: 1997 AACs.

PART 6. TANKING AND RENDERING

R 285.148.501
Source: 1997 AACs.

R 285.148.502
Source: 1997 AACs.

R 285.148.503
Source: 1997 AACs.

R 285.148.504
Source: 1997 AACs.

R 285.148.505
Source: 1997 AACs.

R 285.148.506
Source: 1997 AACs.

R 285.148.507
Source: 1997 AACs.

R 285.148.508
Source: 1997 AACs.

R 285.148.509
Source: 1997 AACs.

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R 285.148.510
Source: 1997 AACS.

R 285.148.511
Source: 1997 AACS.

R 285.148.512
Source: 1997 AACS.

R 285.148.513
Source: 1997 AACS.

PART 7. MARKING, BRANDING, AND IDENTIFYING

R 285.148.601
Source: 1997 AACS.

R 285.148.602
Source: 1997 AACS.

R 285.148.603
Source: 1997 AACS.

R 285.148.604
Source: 1997 AACS.

R 285.148.605
Source: 1997 AACS.

R 285.148.606
Source: 1997 AACS.

R 285.148.607
Source: 1997 AACS.

R 285.148.608
Source: 1997 AACS.

R 285.148.609
Source: 1997 AACS.

R 285.148.610
Source: 1997 AACS.

R 285.148.611
Source: 1997 AACS.

R 285.148.612
Source: 1997 AACS.

R 285.148.613
Source: 1997 AACS.

R 285.148.614
Source: 1997 AACS.

R 285.148.615
Source: 1997 AACS.

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PART 10. MISCELLANEOUS

R 285.148.901
Source: 1997 AACS.

R 285.148.902
Source: 1997 AACS.

R 285.148.903
Source: 1997 AACS.

R 285.148.904
Source: 1997 AACS.

R 285.148.905
Source: 1997 AACS.

R 285.148.906
Source: 1997 AACS.

R 285.148.907
Source: 1997 AACS.

R 285.148.908
Source: 1997 AACS.

R 285.148.909
Source: 1997 AACS.

R 285.148.910
Source: 1997 AACS.

R 285.148.911
Source: 1997 AACS.

R 285.148.912
Source: 1997 AACS.

R 285.148.913
Source: 1997 AACS.

R 285.148.914
Source: 1997 AACS.

REGULATION NO. 152. FEEDLOTS

R 285.152.1
Source: 1998-2000 AACS.

R 285.152.2
Source: 1998-2000 AACS.

R 285.152.3
Source: 1998-2000 AACS.

R 285.152.4

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Source: 1998-2000 AACS.

R 285.152.5

Source: 1998-2000 AACS.

R 285.152.6

Source: 1998-2000 AACS.

R 285.152.7

Source: 1998-2000 AACS.

R 285.152.8

Source: 1998-2000 AACS.

R 285.152.9

Source: 1998-2000 AACS.

R 285.152.10

Source: 1998-2000 AACS.

REGULATION NO. 156. DISPOSITION OF ANIMALS EXPOSED TO BRUCELLOSIS

R 285.156.1

Source: 1998-2000 AACS.

VALUE-ADDED AGRICULTURE PROCESSING AND AGRICULTURAL PRODUCTION VENTURES

R 285.351

Source: 2002 AACS.

R 285.352

Source: 2002 AACS.

R 285.353

Source: 2002 AACS.

PART 2. REPORTING AND COMPLIANCE REQUIREMENTS

R 285.354

Source: 2002 AACS.

R 285.355

Source: 2002 AACS.

R 285.356

Source: 2002 AACS.

REGULATION NO. 401. SEDIMENT TESTS

R 285.401.1

Source: 1998-2000 AACS.

REGULATION NO. 403. MILK AND CREAM SOLD FOR DIRECT CONSUMPTION

R 285.403.1

Source: 1998-2000 AACS.

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REGULATION NO. 406. COTTAGE CHEESE

R 285.406.1
Source: 1998-2000 AACS.

R 285.406.2
Source: 1998-2000 AACS.

DAIRY DIVISION

REGULATION NO. 409. PRODUCER SECURITY

R 285.409.1
Source: 1983 AACS.

FOOD INSPECTION DIVISION

REGULATION NO. 514. FOODS AND BEVERAGES OFFERED FOR SALE

R 285.514.1
Source: 1997 AACS.

AGRICULTURAL DEVELOPMENT DIVISION

REGULATION NO. 523. DRY EDIBLE BEANS

DEPARTMENT OF AGRICULTURE

R 285.523.1
Source: 1998-2000 AACS.

R. 285.523.2
Source: 1998-2000 AACS.

R 285.523.3
Source: 1998-2000 AACS.

R 285.523.4
Source: 1998-2000 AACS.

R 285.523.6
Source: 1998-2000 AACS.

R 285.523.7
Source: 1998-2000 AACS.

R 285.523.8
Source: 1998-2000 AACS.

R 285.523.9
Source: 1998-2000 AACS.

R 285.523.10
Source: 1998-2000 AACS.

R 285.523.11
Source: 1998-2000 AACS.

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R 285.523.12
Source: 1998-2000 AACS.

FOOD INSPECTION DIVISION

REGULATION NO. 530. CONTROLLED ATMOSPHERE STORAGE FOR APPLES

R 285.530.1
Source: 2002 AACS.

R 285.530.2
Source: 2002 AACS.

R 285.530.3
Source: 2002 AACS.

REGULATION NO. 541. SMOKED FISH

R 285.541.1
Source: 1997 AACS.

R 285.541.2
Source: 1997 AACS.

R 285.541.3
Source: 1997 AACS.

R 285.541.4
Source: 1997 AACS.

R 285.541.5
Source: 1997 AACS.

R 285.541.6
Source: 1997 AACS.

R 285.541.7
Source: 1997 AACS.

R 285.541.8
Source: 1997 AACS.

R 285.541.9
Source: 1997 AACS.

R 285.541.10
Source: 1997 AACS.

R 285.541.11
Source: 1997 AACS.

REGULATION NO. 549. NONALCOHOLIC BEVERAGES

R 285.549.1

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Source: 2002 AACS.

R 285.549.2

Source: 2002 AACS.

R 285.549.3

Source: 2002 AACS.

R 285.549.5

Source: 2002 AACS.

R 285.549.7

Source: 2002 AACS.

R 285.549.9

Source: 2002 AACS.

R 285.549.10

Source: 2002 AACS.

R 285.549.11

Source: 2002 AACS.

R 285.549.12

Source: 2002 AACS.

R 285.549.13

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R 285.549.14

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R 285.549.15

Source: 2002 AACS.

R 285.549.16

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R 285.549.17

Source: 2002 AACS.

R 285.549.18

Source: 2002 AACS.

R 285.549.19

Source: 2002 AACS.

R 285.549.21

Source: 2002 AACS.

R 285.549.22

Source: 2002 AACS.

R 285.549.24

Source: 2002 AACS.

R 285.549.25

Source: 2002 AACS.

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R 285.549.29

Source: 2002 AACS.

REGULATION NO. 551. WEIGHTS, MEASURES, PACKAGING, AND LABELING

R 285.551.1 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.4 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.6 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.9 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.11 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.13 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.15 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.16 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.17 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.18 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.19 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.20 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.21 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.22 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.23 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.24 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.25 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

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R 285.551.26 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.27 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.28 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.29 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.30 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.41 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.42 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.43 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.44 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.51 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.52 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.53 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.54 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.56 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.58 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.61 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.62 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.63 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.64 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

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R 285.551.65 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.66 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.67 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.68 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.69 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.70 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.71 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.72 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.73 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.74 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.75 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.76 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.77 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.78 Rescinded

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.79 Rescinded.

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.81 Rescinded

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

R 285.551.83 Rescinded

History: 1954 ACS 75, Eff. May 22, 1973; 1979 AC; rescinded 2003 MR 5, Eff. Mar. 4, 2003.

REGULATION NO. 554. LAST DAY OF SALE

R 285.554.1

Source: 2002 AACS.

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R 285.554.2
Source: 2002 AACS.

R 285.554.3
Source: 2002 AACS.

R 285.554.4
Source: 2002 AACS.

R 285.554.5
Source: 2002 AACS.

FOOD AND DAIRY DIVISION

REGULATION NO. 556. FOOD CONCESSIONS AT STATE AND COUNTY FAIRS

R 285.556.1
Source: 2002 AACS.

R 285.556.2
Source: 2002 AACS.

R 285.556.3
Source: 2002 AACS.

R 285.556.4
Source: 2002 AACS.

R 285.556.5
Source: 2002 AACS.

R 285.556.6
Source: 2002 AACS.

R 285.556.7
Source: 2002 AACS.

R 285.556.8
Source: 2002 AACS.

R 285.556.9
Source: 2002 AACS.

R 285.556.10
Source: 2002 AACS.

R 285.556.11
Source: 2002 AACS.

R 285.556.12
Source: 2002 AACS.

R 285.556.13
Source: 2002 AACS.

R 285.556.14

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Source: 2002 AACS.

R 285.556.15

Source: 2002 AACS.

R 285.556.16

Source: 2002 AACS.

R 285.556.17

Source: 2002 AACS.

R 285.556.18

Source: 2002 AACS.

R 285.556.19

Source: 2002 AACS.

R 285.556.20

Source: 2002 AACS.

**FOOD INSPECTION DIVISION
REGULATION NO. 557. FOOD ESTABLISHMENT LICENSING**

R 285.557.1

Source: 2002 AACS.

R 285.557.3

Source: 2002 AACS.

R 285.557.4

Source: 2002 AACS.

R 285.557.5

Source: 2002 AACS.

R 285.557.6

Source: 2002 AACS.

R 285.557.7

Source: 2002 AACS.

R 285.557.8

Source: 2002 AACS.

R 285.557.9

Source: 2002 AACS.

R 285.557.10

Source: 2002 AACS.

**FOOD DIVISION
REGULATION NO. 558. TEMPORARY FOOD ESTABLISHMENTS**

R 285.558.1

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Source: 2002 AACS.

R 285.558.2

Source: 2002 AACS.

R 285.558.3

Source: 2002 AACS.

R 285.558.4

Source: 2002 AACS.

R 285.558.5

Source: 2002 AACS.

REGULATION NO. 559. LIQUID MEASURING DEVICES

R 285.559.1

Source: 1981 AACS.

R 285.559.2

Source: 1981 AACS.

R 285.559.3

Source: 1981 AACS.

R 285.559.4

Source: 1981 AACS.

R 285.559.5

Source: 1982 AACS.

R 285.559.6

Source: 1981 AACS.

REGULATION NO. 560. GRAIN DEALERS

R 285.560.1

Source: 1984 AACS.

R 285.560.2

Source: 1984 AACS.

R 285.560.3

Source: 1984 AACS.

R 285.560.4

Source: 1984 AACS.

R 285.560.5

Source: 1984 AACS.

R 285.560.6

Source: 1984 AACS.

R 285.560.7

Source: 1984 AACS.

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R 285.560.8
Source: 1984 AACS.

R 285.560.9
Source: 1984 AACS.

R 285.560.10
Source: 1984 AACS.

R 285.560.11
Source: 1984 AACS.

REGULATION NO. 561. DISPENSING FACILITY REID VAPOR PRESSURE

R 285.561.1
Source: 1997 AACS.

R 285.561.2
Source: 1997 AACS.

R 285.561.3
Source: 1997 AACS.

R 285.561.4
Source: 1997 AACS.

R 285.561.5
Source: 1997 AACS.

R 285.561.6
Source: 1997 AACS.

R 285.561.7
Source: 1997 AACS.

R 285.561.8
Source: 1997 AACS.

R 285.561.9
Source: 1997 AACS.

R 285.561.10
Source: 1997 AACS.

REGULATION NO. 562. LABELING OF RETAIL GASOLINE DISPENSERS

R 285.562.1
Source: 1987 AACS.

R 285.562.2
Source: 1987 AACS.

R 285.562.3
Source: 1987 AACS.

R 285.562.4
Source: 1987 AACS.

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REGULATION NO. 563. RETAIL GASOLINE DEALER LICENSING

R 285.563.1

Source: 1985 AACS.

R 285.563.2

Source: 1985 AACS.

R 285.563.3

Source: 1985 AACS.

R 285.563.4

Source: 1985 AACS.

R 285.563.5

Source: 1985 AACS.

R 285.563.6

Source: 1985 AACS.

R 285.563.7

Source: 1985 AACS.

**REGULATION NO. 564. AUTOMOTIVE GASOLINE PURITY,
ADDITIVES, AND GRADING**

R 285.564.1 Definitions.

Rule 1. (1) As used in these rules:

(a) "Act" means 1984 PA 44, MCL 290.641 et seq.

(b) "Antiknock index (AKI)" means $(RON + MON)/2$.

(c) "ASTM" means the scientific and technical organization founded for the development of standards and located at 100 Barr Harbor Drive, W. Conshohocken, PA 19428-2959.

(d) "Maximum phase separation temperature" means the temperature of a gasoline containing alcohol which retains water in solution or in a stable suspension.

(e) "Motor octane number (MON)" means a knock characteristic of automotive gasoline determined by use of standard procedures on a motor engine.

(f) "Research octane number (RON)" means a knock characteristic of automotive gasoline determined by use of standard procedures on a research engine.

(2) The terms defined in the act have the same meanings when used in these rules.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.2 Permissible oxygen content in gasoline; gasoline clarity.

Rule 2. (1) The calculated oxygen content permitted in any gasoline sample shall not exceed 3.7% by weight. The percentage of oxygen by weight shall be calculated on the basis of the oxygenate added per 1% volume, without regard to the actual gravity of the finished gasoline, as listed in the following table:

Table 1

Oxygenate added	Percentage by Weight of oxygen per 1% Volume oxygenate
Methanol	.53%
Ethanol	.37%
Tertiary butyl alcohol	.23%
Methyl-tertiary butyl ether	.18%

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The following are examples of calculated oxygen equivalents:

- (a) Gasoline having 10% by volume ethanol. Oxygen by weight: $10 \times .37 = 3.7\%$.
- (b) Gasoline having 4 1/2% by volume methanol and 4 1/2% by volume tertiary butyl alcohol. Oxygen by weight: $4.5 \times .53 + 4.5 \times .23 = 3.4\%$.
- (c) Gasoline having 11% by volume methyl-tertiary butyl ether and 3% by volume methanol. Oxygen by weight: $11 \times .18 + 3 \times .53 = 3.6\%$

The department shall provide oxygen equivalents for oxygenates not listed in table 1 upon request, which shall be based upon gasoline with a specific gravity of .7412 (6.17 pounds per gallon) at 60 degrees Fahrenheit. Beginning June 1, 2003, there shall not be intentional addition of methyl tertiary butyl ether (MTBE) to the gasoline.

(2) Gasoline shall be visually free of undissolved water, sediment, and suspended matter. It shall be clear and bright at the ambient temperature or 70 degrees Fahrenheit 21 degrees Celsius, whichever is higher.

(3) The finished fuel shall be free of an adulterant or contaminant that may render the fuel unacceptable for its commonly used applications.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.3 Gasoline grades.

Rule 3. (1) There shall be the following uniform grades of gasoline:

- (a) "Subregular" with an AKI of 85 or above.
- (b) "Regular" with an AKI of 87 or above.
- (c) "Midgrade 88" with an AKI of 88 or above.
- (d) "Midgrade 89" with an AKI of 89 or above.
- (e) "Premium" with an AKI of 90 or above.
- (f) "Premium 91" with an AKI of 91 or above.
- (g) "Premium 92" with an AKI of 92 or above.
- (h) "Premium 93" with an AKI of 93 or above.
- (i) "Premium 94" with an AKI of 94 or above.

(2) The special grades of gasoline may be offered for sale if listed with and approved by the department. To apply for listing, the refiner or blender shall provide the department with the gasoline brand name, the grade specifications, and a copy of the complete test results for all applicable standards specified in these rules and other tests as required by the department.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.4 Grades of gasoline; specifications.

Rule 4. All uniform and special grades of gasoline shall meet the following specifications:

(a) The test method for oxygenates shall be ASTM standard D5599-95. If the total amount of any alcohol contained is 1% by volume or greater, the pump shall be posted with an alcohol notice. Gasoline containing alcohol shall meet all other specifications contained in these rules. Beginning June 1, 2003, there shall not be intentional addition of methyl tertiary butyl ether (MTBE) to the gasoline.

(b) The test method for corrosion shall be ASTM standard D 130-94. Copper strip corrosion shall not exceed No. 1 on the test scale specified in test method ASTM standard D 130-94.

(c) The test method for distillation range shall be ASTM standard D86-00. In addition, all of the following provisions apply to the distillation range:

(i) The 10% evaporated temperature shall not exceed any of the following:

(A) One hundred and twenty-two degrees Fahrenheit during the months of January, February, March, November, and December.

(B) One hundred and thirty-one degrees Fahrenheit during the months of April, May, September, and October.

(C) One hundred and fifty eight degrees Fahrenheit during the months of June, July, and August.

During the transition months of March, April, May, September, and November, the next higher evaporated temperature specification may be used.

(ii) The 50% evaporated temperature shall be all of the following:

(A) Not less than 150 degrees Fahrenheit and shall not exceed 230 degrees Fahrenheit during the months of January, February, and December.

(B) Not less than 150 degrees Fahrenheit and shall not exceed 235 degrees Fahrenheit during the months of March, April, May, September, October, and November.

(C) Not less than 170 degrees Fahrenheit and shall not exceed 250 degrees Fahrenheit during the months of June, July, and August

(iii) The 90% evaporated temperature shall not exceed any of the following:

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- (A) Three hundred and sixty five degrees Fahrenheit during the months of January, February, March, October, November, and December.
- (B) Three hundred and seventy four degrees Fahrenheit during the months of April, May, June, July, August, September.
- (iv) The end point shall not exceed 437 degrees Fahrenheit.
- (v) The residue shall not exceed 2%.
- (vi) The driveability index shall be derived using ASTM D4814-01a. All digits in the values are significant digits. The driveability index at the refinery shall not do any of the following:
- (A) Exceed 1250 degrees Fahrenheit during the months of April, May, June, July, August and September.
- (B) Exceed 1220 degrees Fahrenheit during the months of March, October, and November.
- (C) Exceed 1200 degrees Fahrenheit during the months of January, February, and December.
- (D) The test method for solvent washed gum shall be ASTM standard D 381-99. The solvent washed gum shall not exceed 5.0 mg per 100.0 ml.
- (E) The test method for maximum phase separation temperature shall be ASTM D6422. The maximum temperature for phase separation of gasoline containing alcohol shall be 1 of the following temperatures listed in table 2:

Table 2

Lower Peninsula	
Month	Maximum temperature for phase separation degrees Fahrenheit (CELSIUS)
January	0 (-18)
February	1 (-17)
March	10 (-12)
April	27 (-3)
May	34 (1)
June	45 (7)
July	50 (10)
August	48 (9)
September	41 (5)
October	32 (0)
November	21 (-6)
December	7 (-14)

Upper Peninsula	
Month	Maximum temperature for phase separation degrees Fahrenheit (CELSIUS)
January	-6 (-21)
February	-4 (-20)
March	5 (-15)
April	21 (-6)
May	30 (-1)
June	43 (6)
July	48 (9)
August	48 (9)
September	39 (4)
October	30 (-1)
November	16 (-9)
December	0 (-18)

- (F) The test method for vapor pressure for gasoline and gasoline oxygenate blends shall be ASTM D6378-99e1. For gasoline containing alcohol, the vapor pressure shall not exceed any of the following:
- (i) Sixteen and one-half pounds per square inch during the months of January, February, March, November, and December.
- (ii) Fourteen-and one-half pounds per square inch during the months of April, May, September, and October.
- (iii) Ten pounds per square inch during the months of June, July, and August except as provided in section 3 of the act and regulation 561, dispensing facility reid vapor pressure.
- (G) For gasoline not containing 9-10% alcohol, the vapor pressure shall not exceed any of the following:

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- (i) Fifteen and one-half pounds per square inch during the months of January, February, March, November, and December.
 - (ii) Thirteen and one-half pounds per square inch during the months of April, May, September, and October.
 - (iii) Nine pounds per square inch during the months of June, July, and August except as provided in section 3 of the act and regulation 561, dispensing facility Reid vapor pressure.
 - (H) The test method for the vapor-liquid ratio for gasoline shall be ASTM standard D 5188-99.
- For gasoline, the test temperature at which the vapor-liquid ratio is a maximum of 20 to 1 shall be 1 of the following:
- (ii) One hundred and five degrees Fahrenheit during the months of January, February, March, November, and December.
 - (ii) One hundred and sixteen degrees Fahrenheit during the months of April, May, and October.
 - (iii) One hundred and twenty-four degrees Fahrenheit during the months of June, July, August, and September.
 - (iv) During the transition months of March and November the next higher temperature specifications may be used.
- History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.5 Grades of leaded gasoline; additional specifications.

Rule 5. In addition to the specifications listed in R 285.564.4, all special grades of leaded gasoline shall meet both of the following specifications:

- (a) The test method for sulfur shall be ASTM standard D 5453-00.
- (b) The sulfur content shall not exceed 0.15% by weight.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.6 Grades of unleaded gasoline; additional specifications.

Rule 6. In addition to the specifications listed in R 285.564.4, all uniform grades of gasoline shall meet both of the following specifications:

- (a) The test method for lead content shall be ASTM standard D 5185-97. There shall be no intentional addition of lead compounds to any uniform grade of gasoline. Any single sample shall contain not more than 0.05 gram (50 milligrams) of lead per gallon.
- (b) The test method for sulfur content shall be ASTM standard D 5453-00. Sulfur shall not exceed 0.10% by weight.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.7 Antiknock index standard.

Rule 7. (1) All uniform grades of automotive gasoline shall meet the following specified standards for antiknock index (octane):

- (a) Subregular: not less than 85.0 AKI.
- (b) Regular: not less than 87.0 AKI and not less than 82.0 MON.
- (c) Midgrade 88: not less than 88.0 AKI.
- (d) Midgrade 89: not less than 89.0 AKI.
- (e) Premium: not less than 90.0 AKI.
- (f) Premium 91: not less than 91.0 AKI.
- (g) Premium 92: not less than 92.0 AKI.
- (h) Premium 93: not less than 93.0 AKI.
- (i) Premium 94: not less than 94.0 AKI.

(2) The test method for antiknock index shall be ASTM standard D 2700-99 for a motor engine and ASTM standard D 2699-99 for a research engine.

(3) The formula for determination of the antiknock index shall be $AKI = (RON + MON) \div 2$.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

285.564.8 Maximum phase separation temperature; test method.

Rule 8. The test method for maximum phase separation temperature shall be ASTM test method D6422.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

285.564.9 Rescinded.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

285.564.10 Vapor/liquid test method for gasoline containing alcohol or ether.

Rule 10. The test method for vapor/liquid for gasoline containing alcohol or ether, or both, shall be D 5188-99.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

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285.564.11 ASTM standards; adoption by reference.

Rule 11. (1) The department adopts the following standards of the ASTM for gasoline or an ASTM method approved by the department:

- (a) D 86-01.
- (b) D 130-94.
- (c) D 6378-99e1 or D5191-01.
- (d) D 381-99.
- (e) D 5188-99.
- (f) D 5453-00.
- (g) D 2699-99.
- (h) D 2700-99.
- (i) D 5599-00.

(2) Copies of these standards may be obtained, at actual printing and mailing cost, by writing to the Department of Agriculture, Laboratory Division, 940 Venture Lane, Williamston, Michigan 48895, or, for a fee as specified in this subrule, from the ASTM, 100 Barr Harbor Drive, W. Conshohocken, PA 19428-2959. The ASTM standards are composed of volumes priced as follows:

Volume 05.01: D 56 to D 1660.....\$186.00.

Volume 05.02: D 1661 to D 2896.....\$207.00.

Volume 05.03: D 2981 to latest.....\$196.00.

History: 1987 MR 1, Eff. Jan. 22, 1987; 2003 MR 9, Eff. May 15, 2003.

R 285.564.13 Waivers granted by United States environmental protection agency; listing.

Rule 13. Gasoline which does not meet the specifications established in R 285.564.4 (c) and (f), but which is permitted by the United States environmental protection agency by regulatory citation at 44 F.R. p. 20777(April 6, 1979) or 47 F.R. p. 14596 (April 5, 1982) pursuant to section 211(f)(4) of the clean air act, 42 U.S.C. S7545, and leaded gasoline made under the same formula with leaded gasoline substituted for unleaded gasoline may be marketed and graded based upon the AKI. Gasoline marketed under a valid waiver shall be listed with the department. The listing shall state the gasoline brand name and the grade specification and shall include proof of a valid waiver, a copy of the complete fuel specification, and a copy of the complete test results indicating the fuel meets the specifications.

REGULATION NO. 565. SULFITE-TREATED FOOD LABELING AND PLACARDING

R 285.565.1

Source: 1987 AACS.

R 285.565.2

Source: 1987 AACS.

R 285.565.3

Source: 1987 AACS.

R 285.565.4

Source: 1987 AACS.

R 285.565.5

Source: 1987 AACS.

R 285.565.6

Source: 1987 AACS.

R 285.565.7

Source: 1987 AACS.

REGULATION NO. 569. SMOKED FISH

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R 285.569.1
Source: 1997 AACS.

R 285.569.2
Source: 1997 AACS.

R 285.569.3
Source: 1997 AACS.

R 285.569.4
Source: 1997 AACS.

R 285.569.5
Source: 1997 AACS.

R 285.569.6
Source: 1997 AACS.

R 285.569.7
Source: 1997 AACS.

R 285.569.8
Source: 1997 AACS.

R 285.569.9
Source: 1997 AACS.

R 285.569.10
Source: 1997 AACS.

R 285.569.11
Source: 1997 AACS.

R 285.569.12
Source: 1997 AACS.

R 285.569.13
Source: 1997 AACS.

R 285.569.14
Source: 1997 AACS.

R 285.569.15
Source: 1997 AACS.

R 285.569.16
Source: 1997 AACS.

R 285.569.17
Source: 1997 AACS.

R 285.569.18
Source: 1997 AACS.

R 285.569.19
Source: 1997 AACS.

REGULATION NO. 605. DISPOSAL OF CHRISTMAS TREES

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R 285.605.1

History: 1944 AC; 1954 AC; 1979 AC; rescinded 2001 MR 22, Eff. Dec. 4, 2001.

**PLANT INDUSTRY DIVISION
REGULATION NO. 606. BLUEBERRY REGULATION**

R 285.606.1

Source: 1984 AACS.

REGULATION NO. 610. INSPECTION FEES

R 285.610.1

Source: 1980 AACS.

R 285.610.2

Source: 1997 AACS.

R 285.610.3

Source: 1997 AACS.

REGULATION NO. 615. ALFALFA WEEVIL

R 285.615.1

Source: 1997 AACS.

**REGULATION NO. 619. FRUIT TREE SCIONWOOD, UNDERSTOCK,
AND NURSERY STOCK**

R 285.619.1

Source: 1984 AACS.

R 285.619.2

Source: 1984 AACS.

R 285.619.3

Source: 1984 AACS.

R 285.619.4

Source: 1984 AACS.

R 285.619.31

Source: 1984 AACS.

REGULATION NO. 623. FIELD SEED CERTIFICATION

PART 1. GENERAL PROVISIONS

R 285.623.1

Source: 1997 AACS.

R 285.623.2

Source: 1997 AACS.

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R 285.623.3
Source: 1997 AACS.

R 285.623.4
Source: 1997 AACS.

R 285.623.5
Source: 1997 AACS.

R 285.623.6
Source: 1997 AACS.

R 285.623.7
Source: 1997 AACS.

R 285.623.8
Source: 1997 AACS.

R 285.623.11
Source: 1997 AACS.

R 285.623.12
Source: 1997 AACS.

R 285.623.15
Source: 1997 AACS.

PART 2. INDIVIDUAL CROP STANDARDS

R 285.623.21
Source: 1997 AACS.

R 285.623.21a
Source: 1997 AACS.

R 285.623.22
Source: 1997 AACS.

R 285.623.23
Source: 1997 AACS.

R 285.623.24
Source: 1997 AACS.

R 285.623.25
Source: 1997 AACS.

R 285.623.26
Source: 1997 AACS.

R 285.623.27
Source: 1997 AACS.

R 285.623.28
Source: 1997 AACS.

R 285.623.29
Source: 1997 AACS.

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**PESTICIDE AND PLANT PEST MANAGEMENT DIVISION
REGULATION NO. 623. FIELD CROP AND TURFGRASS SEED CERTIFICATION**

PART 1. GENERAL PROVISIONS

R 285.623.101
Source: 1994 AACS.

R 285.623.102
Source: 1994 AACS.

R 285.623.103
Source: 1994 AACS.

R 285.623.104
Source: 1994 AACS.

R 285.623.105
Source: 1994 AACS.

R 285.623.106
Source: 1994 AACS.

R 285.623.107
Source: 1994 AACS.

R 285.623.108
Source: 1994 AACS.

R 285.623.109
Source: 1994 AACS.

R 285.623.110
Source: 1994 AACS.

R 285.623.111
Source: 1994 AACS.

R 285.623.199
Source: 1994 AACS.

PART 2. FIELD CROP STANDARDS

R 285.623.201
Source: 1994 AACS.

R 285.623.202
Source: 1994 AACS.

R 285.623.203
Source: 1994 AACS.

R 285.623.204
Source: 1994 AACS.

R 285.623.205
Source: 1994 AACS.

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R 285.623.206
Source: 1994 AACS.

R 285.623.207
Source: 1994 AACS.

R 285.623.208
Source: 1994 AACS.

R 285.623.209
Source: 1994 AACS.

R 285.623.210
Source: 1994 AACS.

R 285.623.211
Source: 1994 AACS.

R 285.623.212
Source: 1994 AACS.

R 285.623.213
Source: 1994 AACS.

R 285.623.214
Source: 1994 AACS.

R 285.623.215
Source: 1994 AACS.

R 285.623.216
Source: 1997 AACS.

PART 3. TURFGRASS SEED STANDARDS

R 285.623.301
Source: 1994 AACS.

R 285.623.302
Source: 1994 AACS.

R 285.623.303
Source: 1994 AACS.

R 285.623.304
Source: 1994 AACS.

R 285.623.305
Source: 1994 AACS.

R 285.623.306
Source: 1994 AACS.

R 285.623.307
Source: 1994 AACS.

PART 4. SOD QUALITY SEED STANDARDS

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R 285.623.401
Source: 1994 AACS.

R 285.623.402
Source: 1994 AACS.

R 285.623.403
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R 285.623.404
Source: 1994 AACS.

REGULATION NO. 628. SEED POTATO CERTIFICATION

R 285.628.1
Source: 1994 AACS.

R 285.628.3
Source: 1994 AACS.

R 285.628.4
Source: 1994 AACS.

R 285.628.4a
Source: 1994 AACS.

R 285.628.5
Source: 1994 AACS.

R 285.628.5a
Source: 1994 AACS.

R 285.628.6
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R 285.628.7
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R 285.628.8
Source: 1994 AACS.

R 285.628.9
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R 285.628.11
Source: 1994 AACS.

R 285.628.12
Source: 1997 AACS.

R 285.628.14
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R 285.628.15
Source: 1997 AACS.

R 285.628.16
Source: 1997 AACS.

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R 285.628.17
Source: 1997 AACS.

R 285.628.18
Source: 1997 AACS.

R 285.628.19
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R 285.628.20
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R 285.628.21
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R 285.628.22
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R 285.628.23
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R 285.628.25
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R 285.628.26
Source: 1997 AACS.

R 285.628.27
Source: 1997 AACS.

REGULATION NO. 633. RESTRICTED USE PESTICIDES

R 285.633.2
Source: 1985 AACS.

REGULATION NO. 636. PESTICIDE APPLICATORS

R 285.636.1
Source: 2002 AACS.

R 285.636.2
Source: 2002 AACS.

R 285.636.3
Source: 2002 AACS.

R 285.636.4
Source: 2002 AACS.

R 285.636.5
Source: 2002 AACS.

R 285.636.6
Source: 1991 AACS.

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R 285.636.7
Source: 2002 AACS.

R 285.636.8
Source: 2002 AACS.

R 285.636.9
Source: 1991 AACS.

R 285.636.10
Source: 2002 AACS.

R 285.636.11
Source: 1991 AACS.

R 285.636.12
Source: 2002 AACS.

R 285.636.13
Source: 1991 AACS.

R 285.636.14
Source: 1991 AACS.

R 285.636.15
Source: 2002 AACS.

R 285.636.16
Source: 1991 AACS.

R 285.636.17
Source: 1991 AACS.

REGULATION NO. 637. PESTICIDE USE

R 285.637.1
Source: 1995 AACS.

R 285.637.2
Source: 1995 AACS.

R 285.637.3
Source: 1992 AACS.

R 285.637.4
Source: 1992 AACS.

R 285.637.5
Source: 1995 AACS.

R 285.637.6
Source: 1992 AACS.

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Source: 1992 AACS.

R 285.637.9

Source: 1992 AACS.

R 285.637.10

Source: 1992 AACS.

R 285.637.11

Source: 1995 AACS.

R 285.637.12

Source: 1995 AACS.

R 285.637.13

Source: 1992 AACS.

R 285.637.14

Source: 1992 AACS.

R 285.637.15

Source: 1995 AACS.

R 285.637.16

Source: 1992 AACS.

R 285.637.17

Source: 1995 AACS.

REGULATION NO. 640. COMMERCIAL PESTICIDE BULK STORAGE

R 285.640.1

Source: 1992 AACS.

R 285.640.2

Source: 1992 AACS.

R 285.640.3

Source: 1992 AACS.

R 285.640.4

Source: 1992 AACS.

R 285.640.5

Source: 1992 AACS.

R 285.640.6

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R 285.640.7

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R 285.640.9

Source: 1992 AACS.

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R 285.640.10
Source: 1992 AACS.

R 285.640.11
Source: 1992 AACS.

R 285.640.12
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R 285.640.14
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R 285.640.15
Source: 1992 AACS.

R 285.640.16
Source: 1992 AACS.

R 285.640.17
Source: 1992 AACS.

R 285.640.18
Source: 1992 AACS.

R 285.640.19
Source: 1992 AACS.

REGULATION NO. 641. COMMERCIAL FERTILIZER BULK STORAGE

R 285.641.1
Source: 1998-2000 AACS.

R 285.641.2
Source: 1998-2000 AACS.

R 285.641.3
Source: 1998-2000 AACS.

R 285.641.4
Source: 1998-2000 AACS.

R 285.641.5
Source: 1998-2000 AACS.

R 285.641.6
Source: 1998-2000 AACS.

R 285.641.7
Source: 1998-2000 AACS.

R 285.641.8
Source: 1998-2000 AACS.

R 285.641.9
Source: 1998-2000 AACS.

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R 285.641.10

Source: 1998-2000 AACCS.

R 285.641.11

Source: 1998-2000 AACCS.

R 285.641.12

Source: 1998-2000 AACCS.

R 285.641.13

Source: 1998-2000 AACCS.

R 285.641.14

Source: 1998-2000 AACCS.

R 285.641.15

Source: 1998-2000 AACCS.

R 285.641.16

Source: 1998-2000 AACCS.

R 285.641.17

Source: 1998-2000 AACCS.

R 285.641.18

Source: 1998-2000 AACCS.

MICHIGAN DEPARTMENT OF AGRICULTURE

PESTICIDE AND PLANT PEST MANAGEMENT DIVISION

REGULATION NO. 642. ON FARM FERTILIZER BULK STORAGE

R 285.642.1 Definitions.

Rule 1. (1) As used in these rules:

- (a) "Approved" means approval by the director of the department or his or her representative.
- (b) "Appurtenances" mean any of the following which are connected to a bulk fertilizer container or which are used for transferring bulk fertilizer between containers:
 - (i) Valves.
 - (ii) Gauges.
 - (iii) Portable manufacturing units.
 - (iv) Pumps.
 - (v) Fittings.
 - (vi) Hoses.
 - (vii) Mixing containers.
 - (viii) Plumbing.
 - (ix) Metering devices.
- (c) "Aqua ammonia" means an aqueous solution of anhydrous ammonia which generally contains 18% to 30% of ammonia (NH₃) by weight and which has a vapor pressure that usually varies from 0 to 10 pounds per square inch gauge (psig) at 104 degrees Fahrenheit.
- (d) "Bulk fertilizer" means fluid fertilizer in a single container that has a capacity of more than 2,500 United States gallons, or a combined total capacity for all storage containers or tanks located at a single site or location greater than 7,500 United States gallons. For purposes of this rule, use solutions and rinsates are bulk fertilizers if they are in containers that meet the capacities specified in this subdivision.
- (e) "Department" means the Michigan department of agriculture.
- (f) "Discharge" means an uncontained release to the environment in a quantity that is more than 55 United States gallons of bulk fertilizer. "Discharge" does not include a fully contained transfer of bulk fertilizer that is made pursuant to storage,

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distribution, or intended agronomic use.

(g) "Elephant ring" means a storage container which has an open top and which serves as a secondary containment vessel into which a primary storage container with a smaller volume is placed.

(h) "Existing bulk storage facility" means a facility that on the effective date of this rule, is being used to store or hold bulk fertilizers where the location of bulk containers remains the same whether bulk containers are replaced, added to, or reorganized.

(i) "Farm" means the land, plants, animals, buildings, structures, including ponds used for agricultural or aquacultural activities, machinery, equipment, and other appurtenances used in the commercial production of farm products.

(j) "Farm fertilizer bulk storage" means the storage of bulk fertilizer by an agricultural producer for use in an agricultural operation that is owned, operated, or controlled by that producer.

(k) "Farm storage facility" means a facility which is used to store or hold bulk fertilizer and which is owned, operated, controlled, or leased as part of the farm operation or by a person who uses bulk fertilizer for his or her own agricultural use.

(l) "Fertilizer" means a substance containing 1 or more recognized plant nutrients, which substance is used for its plant nutrient content and which is designed for use, or claimed to have value, in promoting plant growth. Fertilizer does not include unmanipulated animal and vegetable manures, marl, lime, limestone, wood ashes, and other materials exempted by rules promulgated under this part.

(m) "Field operations" means the application of fertilizer to soil or plants in the course of normal agricultural or horticultural practice.

(n) "Floodplain", for the purpose of this rule, means any land area that is subject to a 1% or greater chance of flooding. This is equivalent to a 100-year flood.

(o) "Fluid fertilizer" means fertilizer in fluid form and includes solutions, emulsions, suspensions, and slurries. "Fluid fertilizer" does not include anhydrous ammonia.

(p) "Groundwater" means underground water within the zone of saturation.

(q) "Mobile container" means a container designed or used for transporting fertilizer.

(r) "New bulk storage facility" means a storage facility as designated by the director or a storage facility that locates new, used, or refurbished bulk containers where, before the effective date of this rule, bulk storage was not conducted.

(s) "Operational area" means an area or areas at a farm storage facility where bulk fertilizers are transferred, loaded, unloaded, mixed, or refilled.

(t) "Operational area containment" means any structure or system that is designed and constructed to effectively intercept and contain spills, container or equipment washwater, and precipitation to prevent the runoff or leaching of fertilizer from an operational area.

(u) "Primary containment" means the storage of bulk fertilizer in storage containers at a storage facility.

(v) "Rinsate" means the liquid that is generated from the rinsing of the interior surface of any fertilizer application equipment or fertilizer container that has come in direct contact with any fertilizer. "Rinsate" includes the liquid that is generated by cleaning a containment area in accordance with the provisions of R 285.642.10(2).

(w) "Secondary containment" means any structure, including dikes, that is effectively designed and constructed to contain spills or leaks and to prevent escapes, runoff, and leaching of fertilizer from bulk storage containers and appurtenances.

(x) "Spill" means a contained release, within a containment area or operational pad, in a quantity that is more than 55 United States gallons of bulk fertilizer. "Spill" does not include a fully contained transfer of bulk fertilizer that is made pursuant to storage, distribution, or intended agronomic use.

(y) "Storage container" means a container, rail car, nurse tank, or mobile container that is used for the storage of bulk fertilizer. "Storage container" does not include any of the following:

(i) A mobile container that stores bulk fertilizer at a farm storage facility for less than 30 consecutive days.

(ii) A mobile container that is located other than on property which is owned, operated, or controlled by an owner or operator of a farm storage facility for less than 30 consecutive days.

(iii) A container which is 2,500 gallons or less and which is used solely as emergency storage for leaking fertilizer containers.

(z) "Sump" means any catch basin, pit, or reservoir, and those trenches and troughs connected to them, that serve to collect liquid.

(aa) "Surface water", for the purposes of this rule, means a body of water that has its top surface exposed to the atmosphere and includes lakes, ponds, or water holes that cover an area greater than 0.25 acres and streams, rivers, or waterways that maintain a flow year-round. "Surface water" does not include waterways with intermittent flow.

(bb) "Washwater" means the liquid that is generated from rinsing the exterior surfaces of application, handling, storage, transportation, or nurse equipment. "Washwater" does not include the liquid that is generated by cleaning a containment area in accordance with the provisions of R 285.642.10(2).

History: 2003 MR 15, Eff. Aug. 13, 2003.

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R 285.642.2 General department authority and compliance periods.

Rule 2. (1) Farm storage facilities that are placed in service after the effective date of this rule shall immediately comply with this rule. Facilities that are in service before the effective date of this rule shall have 5 years to comply with all portions of this rule.

(2) After the compliance period has been reached, a person shall not operate a farm storage facility in Michigan unless it has met all of the requirements of these rules, or has a plan approved by the department, which includes a specified time frame.

(3) The department may exempt any person from a requirement under these rules if compliance is not technically feasible, as determined by the department, and the department finds that alternative measures provide substantially similar protection against a discharge to the environment. All information which is required to prove that substantially similar protection is possible shall be provided to the department by the person who requests the exemption.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.3 Siting of farm storage facilities.

Rule 3. (1) The siting of a farm storage facility shall comply with applicable local, state, and federal regulations.

(2) New bulk storage facilities and their respective containment areas shall be located as follows:

(a) Above a floodplain as defined in R 285.642.1(1).

(b) A minimum of 200 feet from surface water.

(c) A minimum of 2,000 feet from type I and type IIa public water supply wells, as defined by the provisions of 1976 PA 399, MCL 325.1001 et seq.

(d) A minimum of 800 feet from type IIb and type III public water supply wells, as defined by the provisions of 1976 PA 399, MCL 325.1001 et seq.

(e) A minimum of 150 feet from all other drinking water supply wells that are not defined by the provisions of 1976 PA 399, MCL 325.1001 et seq.

(3) Existing bulk storage facilities that have approved containment shall have the outside base of the containment areas located as follows:

(a) A minimum of 200 feet from type I and type IIa public water supply wells, as defined by the provisions of 1976 PA 399, MCL 325.1001 et seq.

(b) A minimum of 75 feet from type IIb and type III public water supply wells, as defined by the provisions of 1976 PA 399, MCL 325.1001 et seq.

(c) A minimum of 50 feet from all other drinking water supply wells that are not defined by the provisions of 1976 PA 399, MCL 325.1001 et seq.

(4) All farm storage facilities shall utilize appropriate engineering safeguards as approved by the department to prevent groundwater or surface water contamination if the floodplain, surface water, or water supply setback requirements in subrules (2) and (3) of this rule cannot be met.

(5) Bulk storage construction standards for primary and secondary containment facilities that are constructed after the effective date of this rule shall be of a type recommended by any of the following entities:

(a) Michigan state university.

(b) Midwest plan service.

(c) Tennessee valley authority.

(d) United States department of agriculture natural resources conservation service.

(e) A state licensed professional engineer.

(f) Other sources recommending facilities based on standard engineering design, as approved by the department.

(6) The department is not liable for the structural integrity of a department-approved storage facility.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.4 Primary containment of bulk liquid fertilizer.

Rule 4. (1) Storage containers and appurtenances shall be constructed, installed, and maintained to prevent the unintentional discharge of fluid fertilizer.

(2) Storage containers and appurtenances shall be constructed of materials that are resistant to corrosion, puncture, or cracking.

(3) Metals that are used for valves, fittings, and repairs on metal containers shall be compatible with the metals that are used in the construction of the storage container so that the combination of metals does not cause or increase corrosion which may weaken the storage container or its appurtenances or create a risk of discharge.

(4) Storage containers and appurtenances shall be designed to handle all operating stresses, taking into account static head, pressure buildup from pumps and compressors, and any other mechanical stresses to which the storage containers and appurtenances may be subject in the course of operations.

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- (5) Storage containers and appurtenances, including pipes, shall be protected against reasonably foreseeable risks of damage by trucks and other moving vehicles that are engaged in the handling of bulk fertilizers.
 - (6) Storage containers and appurtenances shall be constructed of materials that are compatible with the product or products being stored and handled.
 - (7) Storage containers shall not be filled beyond the capacity for which they are designed, taking into account the physical characteristics of the fluid that is being stored.
 - (8) Flexible connections and properly supported appurtenances shall be utilized as dictated by standard engineering practices to reduce vibrational and stress-related deterioration.
 - (9) Backflow protection or a fixed air gap shall be utilized to protect water lines as required by standard engineering and plumbing practices.
 - (10) Primary containment piping shall be located above the ground and within secondary containment. The end of primary containment piping or any manifold device shall remain within secondary containment.
 - (11) Storage containers shall be anchored, elevated, or secured by some other means as necessary to prevent flotation or instability.
 - (12) Mobile storage containers that contain liquid fertilizer shall be stored not less than 100 feet from a water well or surface water.
 - (13) A person shall not store liquid fertilizer in a container that is located underground.
 - (14) An adequate distance to allow for inspection and maintenance shall be maintained between storage containers and between storage containers and the secondary containment wall.
 - (15) Facilities that have existing secondary containment areas on the effective date of this rule which do not provide adequate distance to allow for inspection and maintenance, shall provide this distance at the time any physical changes to storage containers or the secondary containment takes place.
 - (16) Storage containers shall be labeled as fertilizer in order to identify the contents within. The storage container labeling shall be in a prominent location with lettering that is a minimum of 4 inches in height.
- History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.5 Liquid level gauging devices.

Rule 5. (1) All storage containers shall have the capability to have the liquid level within the storage container measured readily and safely. Liquid level gauging may be accomplished using any of the following:

- (a) Tank markings.
 - (b) See-through gradations.
 - (c) Dip sticks.
 - (d) Site gauge tubes.
 - (e) Other means for accurately measuring the contents as approved by the department.
- (2) Exterior liquid level gauging devices shall be secured to protect against breakage or vandalism.
- (3) Storage containers with external sight gauges shall have a lockable bottom valve.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.6 Security requirements.

Rule 6. (1) Storage containers and appurtenances shall be secured to provide reasonable protection from wildlife, vandalism, and unauthorized access at all times. The container and appurtenance may be secured using any of the following:

- (a) Fencing.
 - (b) Lighting.
 - (c) Locks.
 - (d) Other means to prevent tampering as approved by the department.
- (2) For non-application season storage, all appurtenances and valves on storage containers or mobile containers shall be locked or otherwise secured.
- (3) All storage containers shall be equipped with a shutoff valve that is located on the storage container or at a distance from the storage container dictated by standard engineering practice.
- (4) For multiple valves that are located on a single line, the valve closest to its storage container shall be securable.
- (5) Valves on empty containers shall be closed.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.7 Secondary containment of bulk liquid fertilizer.

Rule 7. (1) Primary storage containers of bulk fertilizer shall be located within a diked containment area. Construction of a containment area with a discharge valve or drain is not permitted after the effective date of this rule.

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(2) Capacity for secondary containment areas shall meet all of the requirements, as applicable:

(a) Secondary containment areas not protected from rainfall shall contain a minimum of 110% of the volume of the largest storage container within the diked area, plus the volume that is occupied by all other tanks within and below the height of the dike, plus the volume of a 6-inch rainfall.

(b) Secondary containment areas protected from rainfall shall contain a minimum of 110% of the volume of the largest storage container within the diked area, plus the volume that is occupied by all other tanks within and below the height of the dike.

(c) Secondary containment areas constructed before the effective date of this rule and not having a capacity that includes the 6-inch rainfall are in compliance with this rule. Any such storage facility shall, upon alteration of the secondary containment area or increases in storage container volume, be brought into full compliance within 1 year of the alteration or increase.

(d) Secondary containment areas not protected from rainfall shall provide for a complete separation between bulk fertilizers and bulk pesticides while maintaining the capacity requirements specified in subdivisions (a) to (c) of this subrule.

(e) Tile drainage that underlies areas which are contained by earthen dikes shall be eliminated.

(3) Construction for secondary containment areas shall meet all of the following requirements:

(a) The walls and floors of a secondary containment area shall be constructed of any of the following materials and shall be designed to withstand a full hydrostatic head of any discharged liquid and weight load of material:

(i) Earth.

(ii) Steel.

(iii) Poured reinforced concrete.

(iv) Precast concrete modules.

(v) Solid masonry.

(vi) Other materials designed to withstand a liquid discharge, as approved by the department.

(b) All joints, seams, and cracking shall be sealed to prevent leakage.

(c) Walls shall not be more than 6 feet in height above interior grade unless provision is made for safe access and exiting.

(d) Earthen walls shall have a horizontal-to-vertical slope consistent with standard engineering practice, shall be packed and protected from erosion, and the top shall not be less than 2.5 feet wide.

(e) Piping shall not be installed through the secondary containment wall, except for interconnections between multiple secondary containment structures. This prohibition does not apply to existing bulk storage facilities with properly engineered, monitored, and maintained through-wall piping, as determined by the department.

(f) The floor of a secondary containment area may slope to a watertight catch basin or sump.

(g) Secondary containment areas that are constructed of permeable materials shall be lined with concrete, steel, synthetic liners, or a clay liner to achieve water tightness.

(h) When steel plates are used as a liner, they shall be protected against corrosion and joined in a manner to provide watertight joints.

(i) Synthetic liners shall have a minimum thickness of 30 mils (0.8 millimeters) and be compatible with the materials being stored within the secondary containment area.

(j) Synthetic liners shall be installed under the supervision of a qualified representative of the manufacturer and all field-constructed seams shall be tested and repaired, if necessary, in accordance with the manufacturer's recommendations.

(k) Soil or earthen liners may be used for fertilizer bulk storage secondary containment structures and shall meet all of the following requirements:

(i) Soil liners shall be maintained free of major cracking and vegetation.

(ii) The surface soil shall be sealed, including the berm of an earthen dike with a sealing agent, such as sodium bentonite, attapulgite, or a similar clay material.

(iii) The soil liner shall be constructed in accordance with standard engineering recommendations to achieve a coefficient of permeability not more than 1.0×10^{-6} cm/sec at construction and which is maintained at 1.0×10^{-5} cm/sec.

(l) Sump construction shall be of the same thickness on all sides including the base of the sump, as for the remainder of the containment area base and shall be watertight.

(m) Design and construction specifications for the sump shall address sediment accumulation, sediment removal, and freeze-thaw cycles.

(n) The department may, based on generally accepted methodology, approve the use of experimental materials upon written confirmation from the manufacturer regarding the pertinent specifications of the material for use in fertilizer containment.

(4) Farm storage facilities utilizing an individual storage container with a capacity of 100,000 gallons or more, shall follow the requirements for secondary containment in the provisions of R 285.641.7(4), commercial fertilizer bulk storage.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.8 Alternative to diking for storage containers.

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Rule 8. (1) An individual storage container that has a capacity of less than 3,000 gallons may be contained within an elephant ring instead of a diked containment area.

(2) Both the primary storage container and the elephant ring shall be fabricated of material that is compatible with each other and with the fertilizer that is being stored.

(3) The height of the elephant ring wall shall not be more than 4 feet.

(4) The volume that is contained within the secondary storage walls up to the working height of the elephant ring shall be sufficient to contain 110% of the volume that is contained in the primary storage container plus the volume that is displaced by the footings of any equipment which is placed within the secondary containment vessel.

(5) The elephant ring shall be free of leaks and structural defects. The base shall be protected from corrosion, both from inside and outside, and shall be underlaid with a concrete pad or with 8 inches of compacted gravel beneath 4 inches of compacted sand or clay, or shall be protected as recommended by the manufacturer of the elephant ring.

(6) All piping connections to the primary storage container shall be made over the wall of the elephant ring and shall be adequately supported and braced. Pumps and other fixtures, if located within the elephant ring containment structure, shall be placed on an elevated platform or otherwise protected from water accumulation.

(7) Accumulations of storm water and other material shall be pumped over the wall of the elephant ring and shall be disposed of in accordance with the provisions of R 285.642.10(1).

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.9 Operational area containment of liquid fertilizer.

Rule 9. (1) Loading and unloading operations shall be supervised at all times by an attendant who is familiar with the operation of the mechanical appurtenances in use at the farm storage facility and who is familiar with the procedures that are used for the control and recovery of discharges.

(2) Operational areas shall be utilized for transferring, loading, unloading, and mixing fertilizers at farm storage facilities.

(3) A farm storage facility shall comply with one or more of the following operational area containment system options (a), (b), and (c):

(a) An operational area designed and constructed of an impermeable material to effectively intercept and contain bulk fertilizer spills and leaks, preventing runoff or leaching.

(i) The operational area containment shall be constructed and reinforced to handle at least the foreseeable maximum gross load that may be on the pad. Cracks and seams shall be kept sealed.

(ii) The operational area containment shall have a minimum width of 10 feet and a minimum length of 20 feet. Any fill or unloading point of the mobile container shall be positioned over the containment area during loading or unloading to assure retention of any discharge.

(iii) The operational area containments shall provide the capacity to hold at least 750 gallons or the volume of the largest application equipment tank, whichever is less.

(b) A portable operational area containment system which meets the requirements of subdivision (a)(ii) and (iii) of this subrule.

(c) A closed transfer system shall be used for all liquid fertilizer operations.

(i) The closed transfer system shall be designed to have dry couplers on every connection related to fertilizer operational activities. All hoses used in this system shall follow the manufacturer warranty.

(ii) An anti-overflow device shall be utilized during loading and unloading operational activities. An anti-overflow device includes, but is not limited to, any of the following:

(A) An alarm.

(B) An automatic shut-off valve such as a float.

(C) An inline flow meter with a shut-off sensor.

(iii) The facility shall have an empty container with at least a 150-gallon capacity under the point of transfer.

(4) Operational area containment does not apply to mobile containers that are used to nurse field operations when at a field unloading site.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.10 Containment area management and operation.

Rule 10. (1) When a secondary containment area is in use, accumulated precipitation, spills, or leaks within the containment area shall be managed as follows:

(a) Accumulated liquids shall be removed by a manually activated pump. Automatic pumps with float switches are prohibited.

(b) Accumulated liquids, discharges, or spills shall be promptly recovered from containment areas.

(c) For accumulated liquids that do not contain any fertilizer, liquids may be discharged from containment areas as surface

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runoff but shall not be discharged directly into any surface water, waterway, storm drain, or field tile.

(d) For accumulated liquids that may contain fertilizer, liquids shall be removed from containment areas and may be applied at agronomic rates to sites where the fertilizer can be utilized as intended.

(e) If a spill occurs within a containment area and following collection and recovery of the fertilizer containing liquids, the area shall be cleaned in accordance with the provisions of subrule (2) of this rule before resuming the management practice of discharging non-fertilizer containing accumulated liquids as surface runoff.

(2) For cleaning containment areas, all of the following requirements apply:

(a) Wash the area using a biodegradable cleaner.

(b) Double rinse the area using clean water.

(c) Remove all rinsate that is generated by the containment area cleaning process.

(3) Earthen dikes shall be promptly remediated if there is a spill or leak, which may require the removal of the soil in the containment area. Soil remediation shall be carried out under the direction of the department based on soil type and concentration levels.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.11 Site closure and discontinuation of operation.

Rule 11. (1) If a farm storage facility is closed or operations are discontinued, then both of the following provisions shall be complied with:

(a) All fertilizers, rinsates, washwaters, and other materials that contain fertilizers shall be removed from the facility site and utilized for the original intended purpose of the product or disposed of in a manner that is approved by the department.

(b) The storage containers at the facility shall be thoroughly cleaned by double rinsing or the equivalent.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.12 Discharge response plan.

Rule 12. (1) An operator of a farm storage facility shall prepare a site specific written discharge response plan for the storage facility. At a minimum, the plan shall include all of the following information:

(a) Site plan depicting all structures, on-site wells, nearby sensitive areas and wells, surface water, runoff routes, and ditches.

(b) Location of storage and handling areas including containers and their general contents.

(c) Identities and telephone numbers of the persons or agencies that are to be contacted in the event of a discharge, including the persons who are responsible for the stored fertilizer.

(2) An operator shall keep the plan current and readily available at the farm storage facility.

(3) The operator of the farm storage facility shall inform the local fire and police departments of the existence of the plan.

(4) Every farm storage facility shall have an appropriate spill kit readily available in the event of a discharge or spill. The spill kit may include equipment, pumps, containers, and absorbent materials.

(5) Any discharges to the environment shall be immediately reported to the department, 1-800-405-0101, available 24 hours a day.

History: 2003 MR 15, Eff. Aug. 13, 2003.

R 285.642.13 Inspection and maintenance requirements.

Rule 13. (1) An operator of a farm storage facility shall maintain the facility to minimize the risk of a discharge.

(2) An operator of a farm storage facility shall visually inspect the facility on a regular basis while the facility is being utilized for the storage of bulk fertilizer.

(3) All secondary containment and operational areas shall be maintained free of debris and foreign matter.

History: 2003 MR 15, Eff. Aug. 13, 2003.

LABORATORY DIVISION

REGULATION NO. 714. SEED LAW IMPLEMENTATION

R 285.714.1

Source: 1997 AACs.

R 285.714.2

Source: 1997 AACs.

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R 285.714.3
Source: 1997 AACS.

R 285.714.4
Source: 1997 AACS.

R 285.714.5
Source: 1997 AACS.

R 285.714.6
Source: 1997 AACS.

R 285.714.7
Source: 1997 AACS.

R 285.714.8
Source: 1997 AACS.

R 285.714.9
Source: 1997 AACS.

R 285.714.10
Source: 1997 AACS.

R 285.714.11
Source: 1997 AACS.

R 285.714.12
Source: 1997 AACS.

R 285.714.13
Source: 1997 AACS.

R 285.714.14
Source: 1997 AACS.

R 285.714.15
Source: 1997 AACS.

R 285.714.16
Source: 1997 AACS.

R 285.714.17
Source: 1997 AACS.

R 285.714.18
Source: 1997 AACS.

R 285.714.19
Source: 1997 AACS.

R 285.714.20
Source: 1997 AACS.

R 285.714.21
Source: 1997 AACS.

PESTICIDE AND PLANT PEST MANAGEMENT DIVISION

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REGULATION NO. 715. SEED LAW IMPLEMENTATION

R 285.715.1
Source: 1990 AACS.

R 285.715.2
Source: 1990 AACS.

R 285.715.3
Source: 1990 AACS.

R 285.715.4
Source: 1990 AACS.

R 285.715.5
Source: 1990 AACS.

R 285.715.6
Source: 1990 AACS.

R 285.715.7
Source: 1990 AACS.

R 285.715.8
Source: 1990 AACS.

R 285.715.9
Source: 1990 AACS.

R 285.715.10
Source: 1990 AACS.

R 285.715.11
Source: 1990 AACS.

R 285.715.12
Source: 1990 AACS.

R 285.715.13
Source: 1990 AACS.

R 285.715.14
Source: 1990 AACS.

FINANCE DIVISION

REGULATION NO. 804. RACE TRACK IMPROVEMENT

R 285.804
Source: 1997 AACS.

EXPOSITIONS AND RACING SECTION

REGULATION NO. 805. MATCHING ASSISTANCE TO FAIRS

R 285.805.1
Source: 1992 AACS.

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R 285.805.3
Source: 1992 AACS.

R 285.805.4
Source: 1992 AACS.

R 285.805.5
Source: 1992 AACS.

R 285.805.6
Source: 1992 AACS.

R 285.805.7
Source: 1984 AACS.

R 285.805.8
Source: 1984 AACS.

REGULATION NO. 808. PAYMENT OF BREEDERS' AWARDS

R 285.808.1
Source: 2002 AACS.

R 285.808.1a
Source: 2002 AACS.

R 285.808.2
Source: 2002 AACS.

R 285.808.2a
Source: 2002 AACS.

R 285.808.3
Source: 2002 AACS.

R 285.808.4
Source: 2002 AACS.

**REGULATION NO. 809. THOROUGHBRED ALLOTMENTS FOR TRAINING
AND STABLING FACILITIES**

R 285.809.1
Source: 1983 AACS.

R 285.809.2
Source: 1983 AACS.

R 285.809.3
Source: 1983 AACS.

R 285.809.4
Source: 1983 AACS.

R 285.809.5
Source: 1983 AACS.

R 285.809.6
Source: 1983 AACS.

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R 285.809.7
Source: 1983 AACS.

**REGULATION NO. 810. THOROUGHBRED BREEDERS' AWARDS
AND STATE SUPPLEMENTS**

R 285.810.1
Source: 1998-2000 AACS.

R 285.810.2
Source: 1998-2000 AACS.

R 285.810.3
Source: 1983 AACS.

R 285.810.4
Source: 1998-2000 AACS.

R 285.810.5
Source: 1983 AACS.

R 285.810.6
Source: 1998-2000 AACS.

R 285.810.7
Source: 1997 AACS.

R 285.810.9
Source: 1998-2000 AACS.

R 285.810.10
Source: 1998-2000 AACS.

REGULATION NO. 811. PREMIUM ALLOTMENTS TO FAIRS AND EXPOSITIONS

R 285.811.1
Source: 1985 AACS.

R 285.811.1a
Source: 1985 AACS.

R 285.811.2
Source: 1985 AACS.

R 285.811.3
Source: 1985 AACS.

R 285.811.4
Source: 1985 AACS.

R 285.811.5
Source: 1985 AACS.

R 285.811.5a
Source: 1980 AACS.

R 285.811.6

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Source: 1985 AACS.

R 285.811.7

Source: 1997 AACS.

R 285.811.8

Source: 1985 AACS.

REGULATION NO. 812. STATE AID FOR HARNESS HORSE RACING AT FAIRS

R 285.812.1

Source: 2002 AACS.

R 285.812.1a

Source: 1981 AACS.

R 285.812.2

Source: 1998-2000 AACS.

R 285.812.3

Source: 2002 AACS.

R 285.812.4

Source: 2002 AACS.

R 285.812.5

Source: 1998-2000 AACS.

R 285.812.5a

Source: 1998-2000 AACS.

R 285.812.6

Source: 2002 AACS.

R 285.812.6a

Source: 1998-2000 AACS.

R 285.812.7

Source: 1998-2000 AACS.

R 285.812.7a

Source: 2002 AACS.

R 285.812.8

Source: 1998-2000 AACS.

R 285.812.9

Source: 1998-2000 AACS.

REGULATION NO. 814. MICHIGAN AND FEDELE FAURI FUTURITY RACES

R 285.814.1

Source: 2002 AACS.

R 285.814.2

Source: 2002 AACS.

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R 285.814.3
Source: 2002 AACS.

R 285.814.4
Source: 2002 AACS.

R 285.814.5
Source: 2002 AACS.

R 285.814.6
Source: 1981 AACS.

R 285.814.7
Source: 2002 AACS.

R 285.814.8
Source: 1981 AACS.

R 285.814.10
Source: 2002 AACS.

**REGULATION NO. 815. STATE AID FOR REGISTERED LIGHT HORSE RACES
AT FAIRS**

R 285.815.1
Source: 1981 AACS.

R 285.815.1a
Source: 1981 AACS.

R 285.815.2
Source: 1981 AACS.

R 285.815.3
Source: 1981 AACS.

R 285.815.4
Source: 1981 AACS.

R 285.815.5
Source: 1981 AACS.

R 285.815.6
Source: 1981 AACS.

R 285.815.8
Source: 1981 AACS.

R 285.815.11
Source: 1981 AACS.

R 285.815.15
Source: 1981 AACS.

R 285.815.16
Source: 1981 AACS.

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**REGULATION NO. 817. QUARTER HORSE BREEDERS' AWARDS
AND STATE SUPPLEMENTS**

R 285.817.1
Source: 1982 AACS.

R 285.817.1a
Source: 1982 AACS.

R 285.817.2
Source: 1991 AACS.

R 285.817.5
Source: 1982 AACS.

REGULATION NO. 818. MICHIGAN SIRE STAKE RACES

R 285.818.1 Rescinded.
History: 1954 ACS 96; Eff. July 13, 1978; 1979 AC; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

R 285.818.2 Rescinded.
History: 1954 ACS 96; Eff. July 13, 1978; 1979 AC; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

R 285.818.3 Rescinded.
History: 1954 ACS 96, Eff. July 13, 1978; 1979 AC; 1995 MR 2, Eff. Mar. 7, 1995; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

R 285.818.4 Rescinded.
History: 1954 ACS 96, Eff. July 13, 1978; 1979 AC; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

R 285.818.5 Rescinded.
History: 1954 ACS 96, Eff. July 13, 1978; 1979 AC; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

R 285.818.6 Rescinded.
History: 1954 ACS 96, Eff. July 13, 1978; 1979 AC; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

R 285.818.7 Rescinded.
History: 1954 ACS 96, Eff. July 13, 1978; 1979 AC; rescinded 2003 MR 15, Eff. Aug. 13, 2003.

**REGULATION NO. 819. APPALOOSA HORSE BREEDERS' AWARDS
AND STATE SUPPLEMENTS**

R 285.819.1
Source: 1982 AACS.

R 285.819.1a
Source: 1982 AACS.

R 285.819.2
Source: 1982 AACS.

R 285.819.5
Source: 1982 AACS.

R 285.819.7

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Source: 1997 AACS.

REGULATION NO. 820. MICHIGAN-BRED PARI-MUTUEL RACES

R 285.820.1

Source: 2002 AACS.

R 285.820.2

Source: 2002 AACS.

R 285.820.3

Source: 1995 AACS.

R 285.820.5

Source: 2002 AACS.

R 285.820.6

Source: 2002 AACS.

REGULATION NO. 821. THOROUGHBRED SIRE STAKE RACES

R 285.821.1

Source: 1998-2000 AACS.

R 285.821.2

Source: 1983 AACS.

R 285.821.3

Source: 1998-2000 AACS.

R 285.821.4

Source: 1998-2000 AACS.

R 285.821.5

Source: 1983 AACS.

R 285.821.6

Source: 1998-2000 AACS.

R 285.821.7

Source: 1983 AACS.

R 285.821.8

Source: 1998-2000 AACS.

R 285.821.9

Source: 1998-2000 AACS.

R 285.821.10

Source: 1998-2000 AACS.

**REGULATION NO. 822. ARABIAN BREEDERS' AWARDS
AND STATE SUPPLEMENTS**

R 285.822.1

Source: 1985 AACS.

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R 285.822.2
Source: 1985 AACS.

R 285.822.3
Source: 1985 AACS.

R 285.822.4
Source: 1985 AACS.

R 285.822.5
Source: 1985 AACS.

R 285.822.6
Source: 1985 AACS.

R 285.822.7
Source: 1985 AACS.

**DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES
BOARD OF LANDSCAPE ARCHITECTS**

R 285.901.1
Source: 1997 AACS.

R 285.901.2
Source: 1997 AACS.

R 285.901.3
Source: 1997 AACS.

R 285.901.4
Source: 1997 AACS.

R 285.901.5
Source: 1997 AACS.

R 285.901.2
Source: 1997 AACS.

R 285.901.3
Source: 1997 AACS.

R 285.901.4
Source: 1997 AACS.

R 285.901.5
Source: 1997 AACS.

FAIRS, EXHIBITIONS, AND RACING DIVISION:

REGULATION 852, UPPER PENINSULA STATE FAIR

R 285.1101
Source: 2002 AACS.

R 285.1102

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Source: 2002 AACS.

R 285.1103

Source: 2002 AACS.

R 285.1104

Source: 2002 AACS.

R 285.1105

Source: 2002 AACS.

R 285.1106

Source: 2002 AACS.

R 285.1201

Source: 2002 AACS.

R 285.1202

Source: 2002 AACS.

R 285.1203

Source: 2002 AACS.

R 285.1204

Source: 2002 AACS.

R 285.1301

Source: 2002 AACS.

R 285.1302

Source: 2002 AACS.

R 285.1303

Source: 2002 AACS.

R 285.1304

Source: 2002 AACS.

R 285.1305

Source: 2002 AACS.

R 285.1306

Source: 2002 AACS.

R 285.1307

Source: 2002 AACS.

R 285.1308

Source: 2002 AACS.

R 285.1309

Source: 2002 AACS.

R 285.1310

Source: 2002 AACS.

R 285.1311

Source: 2002 AACS.

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R 285.1312
Source: 2002 AACCS.

R 285.1313
Source: 2002 AACCS.

R 285.1314
Source: 2002 AACCS.

R 285.1315
Source: 2002 AACCS.

R 285.1316
Source: 2002 AACCS.

R 285.1317
Source: 2002 AACCS.

R 285.1318
Source: 2002 AACCS.

R 285.1319
Source: 2002 AACCS.

R 285.1320
Source: 2002 AACCS.

R 285.1321
Source: 2002 AACCS.

R 285.1322
Source: 2002 AACCS.

R 285.1323
Source: 2002 AACCS.

R 285.1324
Source: 2002 AACCS.

R 285.1325
Source: 2002 AACCS.

R 285.1326
Source: 2002 AACCS.

R 285.1327
Source: 2002 AACCS.

R 285.1328s.
Source: 2002 AACCS.

R 285.1329
Source: 2002 AACCS.

R 285.1330
Source: 2002 AACCS.

R 285.1331

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Source: 2002 AACS.

R 285.1332

Source: 2002 AACS.

R 285.1401

Source: 2002 AACS.

R 285.1402

Source: 2002 AACS.

R 285.1403

Source: 2002 AACS.

R 285.1404

Source: 2002 AACS.

R 285.1405

Source: 2002 AACS.

R 285.1406

Source: 2002 AACS.

R 285.1407

Source: 2002 AACS.

R 285.1408

Source: 2002 AACS.

PART 5. AGRICULTURAL EXHIBITS

R 285.1501

Source: 2002 AACS.

R 285.1502

Source: 2002 AACS.

R 285.1503

Source: 2002 AACS.

R 285.1504

Source: 2002 AACS.

R 285.1505

Source: 2002 AACS.

R 285.1506

Source: 2002 AACS.

R 285.1507

Source: 2002 AACS.

R 285.1508

Source: 2002 AACS.

R 285.1509

Source: 2002 AACS.

R 285.1510

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Source: 2002 AACS.

R 285.1510a

Source: 2002 AACS.

R 285.1511

Source: 2002 AACS.

R 285.1512

Source: 2002 AACS.

R 285.1513

Source: 2002 AACS.

R 285.1514

Source: 2002 AACS.

R 285.1515

Source: 2002 AACS.

R 285.1516

Source: 2002 AACS.

R 285.1517

Source: 2002 AACS.

R 285.1601

Source: 2002 AACS.

R 285.1602

Source: 2002 AACS.

R 285.1603

Source: 2002 AACS.

R 285.1604

Source: 2002 AACS.

R 285.1605

Source: 2002 AACS.

R 285.1606

Source: 2002 AACS.

R 285.1607

Source: 2002 AACS.

R 285.1608

Source: 2002 AACS.

R 285.1609

Source: 2002 AACS.

R 285.1701

Source: 2002 AACS.

R 285.1702

Source: 2002 AACS.

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R 285.1703
Source: 2002 AACS.

R 285.1704
Source: 2002 AACS.

R 285.1705
Source: 2002 AACS.

R 285.1801
Source: 2002 AACS.

R 285.1901
Source: 2002 AACS.

R 285.1902
Source: 2002 AACS.

R 285.1903
Source: 2002 AACS.

R 285.1904
Source: 2002 AACS.

R 285.1905
Source: 2002 AACS.

R 285.1906
Source: 2002 AACS.

R 285.1907
Source: 2002 AACS.

MICHIGAN FAMILY FARM DEVELOPMENT AUTHORITY

GENERAL RULES

PART 1. GENERAL PROVISIONS

R 285.2101
Source: 1983 AACS.

R 285.2102
Source: 1983 AACS.

R 285.2103
Source: 1983 AACS.

R 285.2104
Source: 1983 AACS.

R 285.2105
Source: 1983 AACS.

R 285.2106
Source: 1983 AACS.

R 285.2107

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Source: 1983 AACS.

R 285.2108

Source: 1983 AACS.

R 285.2109

Source: 1983 AACS.

R 285.2110

Source: 1983 AACS.

R 285.2111

Source: 1983 AACS.

R 285.2112

Source: 1983 AACS.

R 285.2113

Source: 1983 AACS.

PART 2. APPLICANT ELIGIBILITY AND APPLICATIONS

R 285.2201

Source: 1983 AACS.

R 285.2202

Source: 1983 AACS.

R 285.2203

Source: 1983 AACS.

R 285.2204

Source: 1983 AACS.

R 285.2205

Source: 1983 AACS.

PART 3. INDIVIDUAL AGRICULTURAL REVENUE BOND PROGRAM

R 285.2301

Source: 1983 AACS.

R 285.2302

Source: 1983 AACS.

R 285.2303

Source: 1983 AACS.

R 285.2304

Source: 1983 AACS.

R 285.2305

Source: 1983 AACS.

R 285.2306

Source: 1983 AACS.

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES

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**STATE BOARD OF VETERINARY EXAMINERS
PROCEDURE FOR CONDUCTING HEARINGS**

R 287.1
Source: 1997 AACS.

GENERAL RULES

R 287.451
Source: 1997 AACS.

R 287.452
Source: 1997 AACS.

R 287.453
Source: 1997 AACS.

R 287.454
Source: 1997 AACS.

R 287.455
Source: 1997 AACS.

R 287.456
Source: 1997 AACS.

R 287.457
Source: 1997 AACS.

R 287.458
Source: 1997 AACS.

R 287.459
Source: 1997 AACS.

ANIMAL TECHNICIAN CERTIFICATION

R 287.481
Source: 1997 AACS.

R 287.482
Source: 1997 AACS.

R 287.483
Source: 1997 AACS.

R 287.484
Source: 1997 AACS.

R 287.485
Source: 1997 AACS.

R 287.486
Source: 1997 AACS.

R 287.487

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Source: 1997 AACS.

R 287.488

Source: 1997 AACS.

R 287.489

Source: 1997 AACS.

R 287.490

Source: 1997 AACS.

R 287.491

Source: 1997 AACS.

R 287.492

Source: 1997 AACS.

**DEPARTMENT OF AGRICULTURE
ANIMAL INDUSTRY DIVISION
BODIES OF DEAD ANIMALS**

R 287.651

Source: 1995 AACS.

R 287.652

Source: 1995 AACS.

R 287.653

Source: 1995 AACS.

R 287.654

Source: 1995 AACS.

R 287.655

Source: 1995 AACS.

R 287.656

Source: 1998-2000 AACS.

ANIMAL INDUSTRY

R 287.701

Source: 1994 AACS.

R 287.702

Source: 1994 AACS.

R 287.703

Source: 1994 AACS.

R 287.704

Source: 1994 AACS.

R 287.705

Source: 1994 AACS.

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R 287.706
Source: 1994 AACS.

R 287.707
Source: 1994 AACS.

R 287.708
Source: 1994 AACS.

R 287.709
Source: 1994 AACS.

R 287.710
Source: 1994 AACS.

R 287.711
Source: 1994 AACS.

R 287.712
Source: 1994 AACS.

R 287.713
Source: 1994 AACS.

**FAIRS, EXHIBITIONS AND RACING DIVISION
REGULATION NO. 851 MICHIGAN STATE FAIR
PART 1. GENERAL PROVISIONS**

R 291.301
Source: 2002 AACS.

R 291.303
Source: 2002 AACS.

R 291.304
Source: 2002 AACS.

BUSINESS PROCEDURES

R 291.311
Source: 2002 AACS.

R 291.312
Source: 2002 AACS.

R 291.313
Source: 2002 AACS.

R 291.314
Source: 2002 AACS.

R 291.315
Source: 2002 AACS.

R 291.316
Source: 2002 AACS.

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R 291.317
Source: 2002 AACS.

R 291.318
Source: 2002 AACS.

R 291.319
Source: 2002 AACS.

R 291.321
Source: 2002 AACS.

R 291.322
Source: 2002 AACS.

PART 2. EXHIBITORS AND CONCESSIONAIRES AT FAIR

R 291.331
Source: 2002 AACS.

R 291.332
Source: 2002 AACS.

R 291.333
Source: 2002 AACS.

R 291.334
Source: 2002 AACS.

R 291.335
Source: 2002 AACS.

R 291.336
Source: 2002 AACS.

R 291.337
Source: 2002 AACS.

R 291.338
Source: 2002 AACS.

R 291.339
Source: 2002 AACS.

R 291.341
Source: 2002 AACS.

R 291.342
Source: 2002 AACS.

R 291.343
Source: 2002 AACS.

R 291.344
Source: 2002 AACS.

R 291.345

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Source: 2002 AACS.

R 291.346

Source: 2002 AACS.

R 291.347

Source: 2002 AACS.

R 291.351

Source: 2002 AACS.

R 291.352

Source: 2002 AACS.

R 291.353

Source: 2002 AACS.

R 291.354

Source: 2002 AACS.

R 291.355

Source: 2002 AACS.

R 291.356

Source: 2002 AACS.

R 291.357

Source: 2002 AACS.

R 291.358

Source: 2002 AACS.

R 291.359

Source: 2002 AACS.

R 291.360

Source: 2002 AACS.

R 291.363

Source: 2002 AACS.

R 291.365

Source: 2002 AACS.

FOOD CONCESSIONS

R 291.375

Source: 2002 AACS.

R 291.377

Source: 2002 AACS.

R 291.378

Source: 2002 AACS.

R 291.379

Source: 2002 AACS.

R 291.380

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Source: 2002 AACS.

R 291.381

Source: 2002 AACS.

PART 3. AGRICULTURAL EXHIBITORS AT FAIRS

R 291.391

Source: 2002 AACS.

R 291.392

Source: 2002 AACS.

R 291.393

Source: 2002 AACS.

R 291.394

Source: 2002 AACS.

R 291.395

Source: 2002 AACS.

R 291.397

Source: 2002 AACS.

R 291.398

Source: 2002 AACS.

R 291.398a

Source: 2002 AACS.

R 291.399

Source: 2002 AACS.

R 291.400

Source: 2002 AACS.

R 291.400a

Source: 2002 AACS.

R 291.401

Source: 2002 AACS.

R 291.402

Source: 2002 AACS.

R 291.403

Source: 2002 AACS.

R 291.404

Source: 2002 AACS.

R 291.405

Source: 2002 AACS.

R 291.407

Source: 2002 AACS.

R 291.413

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Source: 2002 AACS.

ANIMALS

R 291.422

Source: 2002 AACS.

R 291.423

Source: 2002 AACS.

R 291.424

Source: 2002 AACS.

R 291.425

Source: 2002 AACS.

R 291.426

Source: 2002 AACS.

R 291.427

Source: 2002 AACS.

PART 4. COMMUNITY ARTS EXHIBITORS AT FAIR

R 291.441

Source: 2002 AACS.

R 291.442

Source: 2002 AACS.

R 291.443

Source: 2002 AACS.

R 291.449

Source: 2002 AACS.

R 291.450

Source: 2002 AACS.

PART 7. NON FAIR LESSEES AND PERMITS

R 291.471

Source: 2002 AACS.

R 291.472

Source: 2002 AACS.

R 291.473

Source: 2002 AACS.

R 291.475

Source: 2002 AACS.

R 291.476

Source: 2002 AACS.

R 291.478

Source: 2002 AACS.

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R 291.479
Source: 2002 AACS.

R 291.480
Source: 2002 AACS.

PART 9. HEARINGS

R 291.491
Source: 2002 AACS.

R 291.492
Source: 2002 AACS.

R 291.493
Source: 2002 AACS.

R 291.494
Source: 2002 AACS.

R 291.495
Source: 2002 AACS.

R 291.496
Source: 2002 AACS.

R 291.497
Source: 2002 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
SUPERVISOR OF WELLS
PUBLIC HEARINGS**

R 299.251
Source: 1997 AACS.

R 299.252
Source: 1997 AACS.

R 299.253
Source: 1997 AACS.

R 299.254
Source: 1997 AACS.

R 299.255
Source: 1997 AACS.

R 299.256
Source: 1997 AACS.

R 299.257
Source: 1997 AACS.

R 299.258

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Source: 1997 AACS.

**DEPARTMENT OF NATURAL RESOURCES
PARKS AND RECREATION DIVISION
STATE PARKS AND RECREATION AREAS**

R 299.321

Source: 1982 AACS.

R 299.323

Source: 1982 AACS.

R 299.326

Source: 1994 AACS.

LANDS DIVISION

STATE LANDS OTHER THAN STATE PARKS AND RECREATION AREAS

R 299.331

Source: 1980 AACS.

Editor's note: This rule took effect 90 days after the department of natural resources certified to the commission of natural resources the completion of 1500 miles of designated forest trail on state forest lands. The certification occurred on October 5, 1989.

R 299.334

Source: 1980 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
GEOLOGICAL SURVEY DIVISION
OIL AND GAS OPERATIONS**

R 299.501

Source: 1997 AACS.

R 299.502

Source: 1997 AACS.

R 299.503

Source: 1997 AACS.

R 299.504

Source: 1997 AACS.

R 299.505

Source: 1997 AACS.

R 299.506

Source: 1997 AACS.

R 299.507

Source: 1997 AACS.

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R 299.508
Source: 1997 AACCS.

R 299.509
Source: 1997 AACCS.

R 299.510
Source: 1997 AACCS.

R 299.511
Source: 1997 AACCS.

R 299.512
Source: 1997 AACCS.

R 299.513
Source: 1997 AACCS.

R 299.514
Source: 1997 AACCS.

R 299.515
Source: 1997 AACCS.

R 299.521
Source: 1997 AACCS.

R 299.522
Source: 1997 AACCS.

R 299.523
Source: 1997 AACCS.

R 299.531
Source: 1997 AACCS.

R 299.532
Source: 1997 AACCS.

R 299.533
Source: 1997 AACCS.

R 299.534
Source: 1997 AACCS.

R 299.535
Source: 1997 AACCS.

R 299.541
Source: 1997 AACCS.

R 299.542
Source: 1997 AACCS.

R 299.543
Source: 1997 AACCS.

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R 299.544
Source: 1997 AACS.

**DEPARTMENT OF NATURAL RESOURCES
LAW ENFORCEMENT DIVISION
SHOOTING RANGES ON STATE-OWNED LANDS**

R 299.671
Source: 1986 AACS.

R 299.672
Source: 1986 AACS.

R 299.673a
Source: 1986 AACS.

REGULATION OF LANDS

R 299.921
Source: 2002 AACS.

R 299.922
Source: 2002 AACS.

R 299.923
Source: 2002 AACS.

R 299.924
Source: 2002 AACS.

R 299.925
Source: 2002 AACS.

R 299.926
Source: 2002 AACS.

R 299.927
Source: 2002 AACS.

R 299.928
Source: 2002 AACS.

R 299.929
Source: 2002 AACS.

R 299.930
Source: 2002 AACS.

R 299.931
Source: 2002 AACS.

R 299.932
Source: 2002 AACS.

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R 299.933
Source: 2002 AACS.

**WILDLIFE DIVISION
PUBLIC ACCESS STAMP PROGRAM**

R 299.984
Source: 1980 AACS.

ROSE LAKE WILDLIFE RESEARCH AREA

R 299.1001
Source: 1986 AACS.

R 299.1002
Source: 1986 AACS.

R 299.1003
Source: 1986 AACS.

R 299.1004
Source: 1986 AACS.

**WILDLIFE AND FISHERIES DIVISIONS
ENDANGERED AND THREATENED SPECIES**

R 299.1021
Source: 1998-2000 AACS.

R 299.1022
Source: 1998-2000 AACS.

R 299.1023
Source: 1998-2000 AACS.

R 299.1024
Source: 1998-2000 AACS.

R 299.1025
Source: 1998-2000 AACS.

R 299.1026
Source: 1998-2000 AACS.

R 299.1027
Source: 2002 AACS.

R 299.1028
Source: 1998-2000 AACS.

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GEOLOGICAL SURVEY DIVISION**

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OIL AND GAS OPERATIONS

PERMITS TO DRILL

R 299.1101
Source: 1997 AACS.

R 299.1102
Source: 1997 AACS.

R 299.1103
Source: 1997 AACS.

R 299.1104
Source: 1997 AACS.

R 299.1105
Source: 1997 AACS.

R 299.1105a
Source: 1997 AACS.

R 299.1106
Source: 1997 AACS.

R 299.1107
Source: 1997 AACS.

R 299.1108
Source: 1997 AACS.

R 299.1109
Source: 1997 AACS.

R 299.1110
Source: 1997 AACS.

R 299.1111
Source: 1997 AACS.

R 299.1112
Source: 1997 AACS.

LOCATION AND SPACING OF WELLS

R 299.1201
Source: 1997 AACS.

R 299.1202
Source: 1997 AACS.

R 299.1203
Source: 1997 AACS.

R 299.1204
Source: 1997 AACS.

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R 299.1205
Source: 1997 AACS.

R 299.1206
Source: 1997 AACS.

DRILLING

R 299.1301
Source: 1997 AACS.

R 299.1302
Source: 1997 AACS.

R 299.1303
Source: 1997 AACS.

R 299.1304
Source: 1997 AACS.

R 299.1305
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R 299.1306
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R 299.1307
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R 299.1308
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R 299.1309
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R 299.1310
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R 299.1311
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R 299.1312
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R 299.1313
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R 299.1314
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R 299.1315
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R 299.1316
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R 299.1317
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R 299.1318
Source: 1997 AACS.

R 299.1319
Source: 1997 AACS.

R 299.1320
Source: 1997 AACS.

R 299.1321
Source: 1997 AACS.

R 299.1322
Source: 1997 AACS.

PRODUCTION

R 299.1401
Source: 1997 AACS.

R 299.1402
Source: 1997 AACS.

R 299.1403
Source: 1997 AACS.

R 299.1404
Source: 1997 AACS.

R 299.1405
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R 299.1406
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R 299.1407
Source: 1997 AACS.

R 299.1408
Source: 1997 AACS.

R 299.1409
Source: 1997 AACS.

R 299.1410
Source: 1997 AACS.

PRORATION

R 299.1501
Source: 1997 AACS.

R 299.1502
Source: 1997 AACS.

R 299.1503
Source: 1997 AACS.

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R 299.1504
Source: 1997 AACS.

R 299.1505
Source: 1997 AACS.

R 299.1506
Source: 1997 AACS.

R 299.1507
Source: 1997 AACS.

R 299.1508
Source: 1997 AACS.

R 299.1509
Source: 1997 AACS.

R 299.1510
Source: 1997 AACS.

R 299.1511
Source: 1997 AACS.

R 299.1512
Source: 1997 AACS.

R 299.1513
Source: 1997 AACS.

R 299.1514
Source: 1997 AACS.

R 299.1515
Source: 1997 AACS.

R 299.1516
Source: 1997 AACS.

R 299.1517
Source: 1997 AACS.

BRINE DISPOSAL

R 299.1601
Source: 1997 AACS.

R 299.1602
Source: 1997 AACS.

R 299.1603
Source: 1997 AACS.

R 299.1604
Source: 1997 AACS.

R 299.1605
Source: 1997 AACS.

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R 299.1606
Source: 1997 AACS.

SECONDARY RECOVERY AND PRESSURE MAINTENANCE

R 299.1701
Source: 1997 AACS.

R 299.1702
Source: 1997 AACS.

R 299.1703
Source: 1997 AACS.

R 299.1704
Source: 1997 AACS.

PLUGGING

R 299.1801
Source: 1997 AACS.

R 299.1802
Source: 1997 AACS.

R 299.1803
Source: 1997 AACS.

R 299.1804
Source: 1997 AACS.

R 299.1805
Source: 1997 AACS.

R 299.1806
Source: 1997 AACS.

R 299.1807
Source: 1997 AACS.

R 299.1808
Source: 1997 AACS.

R 299.1809
Source: 1997 AACS.

R 299.1810
Source: 1997 AACS.

R 299.1811
Source: 1997 AACS.

**PREVENTION OF FIRES AND POLLUTION AND DANGER
OR DESTRUCTION OF PROPERTY AND LIFE**

R 299.1901
Source: 1997 AACS.

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R 299.1902
Source: 1997 AACS.

R 299.1903
Source: 1997 AACS.

R 299.1904
Source: 1997 AACS.

R 299.1905
Source: 1997 AACS.

R 299.1906
Source: 1997 AACS.

R 299.1907
Source: 1997 AACS.

R 299.1907a
Source: 1997 AACS.

R 299.1908
Source: 1997 AACS.

R 299.1909
Source: 1997 AACS.

R 299.1910
Source: 1997 AACS.

HYDROGEN SULFIDE MANAGEMENT

R 299.1911—R 299.1999
Source: 1997 AACS.

PUBLIC HEARING

R 299.2001
Source: 1997 AACS.

R 299.2002
Source: 1997 AACS.

R 299.2003
Source: 1997 AACS.

R 299.2004
Source: 1997 AACS.

R 299.2005
Source: 1997 AACS.

R 299.2006
Source: 1997 AACS.

R 299.2007
Source: 1997 AACS.

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R 299.2008
Source: 1997 AACS.

R 299.2009
Source: 1997 AACS.

R 299.2010
Source: 1997 AACS.

ENFORCEMENT

R 299.2101
Source: 1997 AACS.

**DEPARTMENT OF NATURAL RESOURCES
WILDLIFE DIVISION
GAME BREEDERS**

R 299.2521
Source: 1997 AACS.

R 299.2522
Source: 1997 AACS.

R 299.2523
Source: 1997 AACS.

R 299.2524
Source: 1997 AACS.

R 299.2525
Source: 1997 AACS.

R 299.2526
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R 299.2527
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R 299.2528
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R 299.2529
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R 299.2530
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R 299.2531
Source: 1997 AACS.

R 299.2532
Source: 1997 AACS.

R 299.2533
Source: 1997 AACS.

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**FOREST MANAGEMENT DIVISION
COMMERCIAL FORESTS**

R 299.2601
Source: 1987 AACS.

R 299.2602
Source: 1997 AACS.

R 299.2603
Source: 1987 AACS.

R 299.2603a
Source: 1987 AACS.

R 299.2604
Source: 1987 AACS.

R 299.2605
Source: 1987 AACS.

R 299.2605a
Source: 1987 AACS.

R 299.2606
Source: 1987 AACS.

R 299.2607
Source: 1987 AACS.

R 299.2608
Source: 1987 AACS.

R 299.2609
Source: 1987 AACS.

R 299.2610
Source: 1987 AACS.

R 299.2611
Source: 1987 AACS.

**FOREST AND MINERAL RESOURCE DEVELOPMENT FUND BOARD
FOREST AND MINERAL RESOURCE DEVELOPMENT FUND PROGRAM**

R 299.2651
Source: 1991 AACS.

R 299.2652
Source: 1991 AACS.

R 299.2653
Source: 1991 AACS.

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R 299.2654
Source: 1991 AACS.

R 299.2655
Source: 1991 AACS.

R 299.2656
Source: 1991 AACS.

R 299.2657
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R 299.2658
Source: 1991 AACS.

R 299.2659
Source: 1991 AACS.

R 299.2660
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R 299.2661
Source: 1991 AACS.

R 299.2662
Source: 1991 AACS.

R 299.2663
Source: 1991 AACS.

R 299.2664
Source: 1991 AACS.

R 299.2665
Source: 1991 AACS.

R 299.2666
Source: 1991 AACS.

LAW ENFORCEMENT DIVISION

USE OF RIVERS

PART 1. GENERAL PROVISIONS

R 299.2701
Source: 1997 AACS.

R 299.2702
Source: 1997 AACS.

R 299.2703
Source: 1997 AACS.

R 299.2704
Source: 1997 AACS.

R 299.2705
Source: 1997 AACS.

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R 299.2706
Source: 1997 AACS.

R 299.2707
Source: 1997 AACS.

R 299.2708
Source: 1997 AACS.

R 299.2709
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R 299.2710
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R 299.2711
Source: 1997 AACS.

R 299.2712
Source: 1997 AACS.

R 299.2713
Source: 1997 AACS.

R 299.2714
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R 299.2715
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R 299.2716
Source: 1997 AACS.

R 299.2717
Source: 1997 AACS.

R 299.2718
Source: 1997 AACS.

R 299.2719
Source: 1997 AACS.

PART 2. AU SABLE, MANISTEE, PINE, AND PERE MARQUETTE RIVERS

R 299.2721
Source: 1997 AACS.

R 299.2722
Source: 1997 AACS.

R 299.2723
Source: 1997 AACS.

R 299.2724
Source: 1997 AACS.

R 299.2725
Source: 1997 AACS.

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R 299.2726
Source: 1997 AACS.

R 299.2727
Source: 1997 AACS.

**WILDLIFE DIVISION
PUBLIC EXHIBITIONS OF WILD ANIMALS AND BIRDS**

PART 1. GENERAL PROVISIONS

R 299.2801
Source: 1997 AACS.

R 299.2802
Source: 1997 AACS.

R 299.2803
Source: 1997 AACS.

R 299.2804
Source: 1997 AACS.

R 299.2805
Source: 1997 AACS.
Source: 1997 AACS.

R 299.2806
Source: 1997 AACS.

R 299.2807
Source: 1997 AACS.

R 299.2808
Source: 1997 AACS.

R 299.2809
Source: 1997 AACS.

PART 2. PERMITS

R 299.2811
Source: 1997 AACS.

R 299.2812
Source: 1997 AACS.

R 299.2813
Source: 1997 AACS.

R 299.2814
Source: 1997 AACS.

R 299.2815
Source: 1997 AACS.

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R 299.2816
Source: 1997 AACS.

R 299.2817
Source: 1997 AACS.

R 299.2818
Source: 1997 AACS.

PART 3. PENS AND HOUSING

R 299.2821
Source: 1997 AACS.

R 299.2822
Source: 1997 AACS.

R 299.2823
Source: 1997 AACS.

R 299.2824
Source: 1997 AACS.

R 299.2825
Source: 1997 AACS.

R 299.2826
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R 299.2827
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R 299.2833
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R 299.2834
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R 299.2835
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R 299.2836
Source: 1997 AACS.

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R 299.2837
Source: 1997 AACS.

R 299.2838
Source: 1997 AACS.

R 299.2839
Source: 1997 AACS.

PART 4. PERMITTEES' OPERATIONS

R 299.2851
Source: 1997 AACS.

R 299.2852
Source: 1997 AACS.

R 299.2853
Source: 1997 AACS.

R 299.2854
Source: 1997 AACS.

R 299.2855
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R 299.2857
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R 299.2858
Source: 1997 AACS.

R 299.2859
Source: 1997 AACS.

R 299.2810
Source: 1997 AACS.

DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL ASSISTANCE DIVISION

GENERAL RULES

PART 1. GENERAL PROVISIONS

R 299.2903 Definitions.

Rule 3. As used in these rules:

- (a) "Act" means 1994 PA 451, MCL 324.101 et seq.
- (b) "Board" means the board of certification authorized by R 299.2916.
- (c) "Certificate" means a document that is issued by the department to a person who meets specific qualification requirements specified in these rules, qualifying the person as a certified operator.
- (d) "Department" means the director of the Department of Environmental Quality or his or her designee.

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- (e) "Division" means the appropriate division of the department as delegated by the director.
- (f) "Governmental agency" means a city, village, township, county, metropolitan district, other unit of government, or officers of the entities specified in this subdivision.
- (g) "Operator" means an individual who works in a treatment facility and who has some responsibility for the operation of the facility.
- (h) "Person" means an individual, partnership, association, corporation, or any governmental agency.
- (i) "Renewal cycle" means the period of time from the issuance date to the expiration date stated on a certificate or a replacement certificate.
- (j) "Replacement certificate" means a certificate issued to an individual who holds a valid certificate issued before the effective date of these amendatory rules.
- (k) "Sewerage system" means a sewer system and treatment facility that are used to collect, transport, and treat domestic and industrial wastes.
- (l) "Sewer system" means the pipes, channels, conduits, manholes, pumping stations, and appurtenances, collectively or severally, actually used or intended for use by the public for the purpose of collecting, conveying, or transporting domestic and industrial wastes to a treatment facility.
- (m) "Superintendent" means an individual who is in charge of and responsible for the operation of a treatment facility and in whom is vested the authority and responsibility for the establishment and execution of specific practices and procedures controlling the operations of the treatment facility in accordance with the policies of the owner of the facility and the department.
- (n) "Treatment facility" means structures, equipment, and appurtenances, collectively or severally, actually used or intended for use by the public for the purpose of treating or otherwise handling domestic and industrial wastes.
- (o) "Treatment works" means a treatment facility.
- History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 1999 MR 1, Eff. Jan. 25, 1999; 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2905 Rescission.

Rule 5. The following rules are rescinded:

- (a) R 325.461
(b) R 325.1121 to R 325.1128

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. Feb. 27, 2003.

PART 2. TREATMENT FACILITY CLASSIFICATIONS AND OPERATOR CERTIFICATION

R 299.2911 Initial treatment facility classification.

Rule 11. (1) Except as provided for in subrules (3) and (4) of this rule, treatment facilities shall be classified by the department into 4 classes, designated as Class A, B, C, or D, with Class A being the highest. The classifications shall be based on population served, the type of treatment facility, the character and volume of wastes to be treated, and the use and nature of the waters of the state receiving the effluent thereof. Treatment facilities classified according to the population criteria in subrule (2) of this rule may be placed in a higher classification by the department, by reason of the incorporation in the treatment facility of special features of design, or characteristics more difficult to operate than usual, or by reasons of a particularly difficult type of sewage or by reason of particular stream conditions or combinations thereof.

(2) One of the following minimum classifications shall be assigned to each treatment facility that serves the public:

- (a) Class A, treatment facilities serving or designed to serve a population of 50,000 or more persons.
(b) Class B, treatment facilities serving or designed to serve a population of 10,000 or more, but less than 50,000, persons.
(c) Class C, treatment facilities serving or designed to serve a population of 2,000 or more, but less than 10,000, persons.
(d) Class D, treatment facilities serving or designed to serve a population of less than 2,000 persons.

(3) Treatment facilities utilizing the waste stabilization lagoon process shall be classified by the department into one of the 2 following classes, designated as class L2 and L1:

- (a) Class L2, treatment facilities utilizing the waste stabilization lagoon process which include special mechanical devices such as aerators, chemical precipitation, disinfection, or other factors. Class L2 shall be considered a higher classification than class L1.
(b) Class L1, treatment facilities utilizing the waste stabilization lagoon process which do not include special mechanical devices such as aerators, chemical precipitation, disinfection, or other factors.

(4) Treatment facilities that require minimal operation and control, and serve a population of less than 1000 persons may be classified by the department as a special classification, designated as class SC. Such treatment facilities include, but are not limited to, septic tank and tile field systems, and recirculating sand filters.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. Feb. 27, 2003.

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R 299.2912. Treatment facility classification changes.

Rule 12. (1) When 1 or more of the conditions described by subrule (2) of this rule exist or are imminent, the department may change the classification of a treatment facility after notice and opportunity for hearing on the proposed action not less than 60 days before the classification change. Hearings conducted by the department pursuant to this subrule shall be undertaken according to hearing procedures prescribed by part 5.

(2) The department may change the classification of a treatment facility upon finding that any of the following or any combination has occurred or is expected to occur within 60 days:

(a) The population being served by the treatment facility has changed.

(b) There has been incorporated within the treatment facility special features of design or characteristics which render the treatment facility more difficult to operate.

(c) Certain wastes are being treated within the treatment facility that require special treatment facility design or operation procedures.

(d) Conditions of flow or use of the receiving waters require an unusually high degree of treatment facility operational control.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2916. Board of certification; appointments.

Rule 16. The department shall appoint a board of certification which shall consist of 5 members, of whom 1 shall be a class A certified operator, 1 shall be a qualified engineer registered in the state knowledgeable in the operation and maintenance of treatment works, 1 shall be a staff member of the department, 1 shall be a municipal official, and 1 shall be a member at large. As the term of a member of the board of certification expires, the department shall appoint a member to the vacancy for a 3-year term. The department may appoint a member to a shorter term when filling a vacancy created when a member vacates the position before the end of the term.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2917 Board of certification; duties and responsibilities.

Rule 17. (1) The board shall advise the department in the examination of persons applying for certification, as set forth in R 299.2918(1). The board shall meet at least twice each year at such times and places as it may designate. The board shall do all of the following:

(a) Advise the department when it considers additional education or experience as adequate substitution for other requirements, as set forth in R 299.2918(2).

(b) Advise the department in evaluating applications for examinations, as set forth in R 299.2920(2).

(c) Review and provide comment to the department on the substance of the examinations, as set forth in R 299.2922(1).

(d) Provide recommendations to the department on the issuance or denial of certificates following the examination process, as set forth in R 299.2924(1).

(e) Provide recommendations to the department on the issuance or denial of a certificate or a temporary certificate following the evaluation of certification received from another state, territory, or possession of the United States, or any country as set forth in R 299.2924(2) and (3).

(f) Evaluate and approve or disapprove continuing education training courses, decide their hour value, and categorize them, as set forth in R 299.2925(5).

(g) Comment to the department regarding probation of a certified operator or the suspension or revocation of a person's certificate, as set forth in R 299.2926.

(2) Members of the board shall not be compensated, but shall be entitled to all actual and necessary expenses in the performance of their official duties according to the rates established by the latest edition of the standard travel regulations of the state.

(3) Three members of the board constitute a quorum.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2918 Operator certification; minimum requirements.

Rule 18. (1) Certification shall require written examination conducted by the department, with the advice of the board, according to 1 or more of the following classifications based upon minimum education and experience qualifications:

(a) Class A. To be eligible to write the examination for a Class A certificate, the applicant shall satisfy all of the requirements in either paragraph (i) or (ii) of this subdivision, as follows:

(i) The applicant shall comply with all of the following requirements:

(a) Possess a college degree with sufficient engineering or allied subjects to understand the mechanics, electronics, and

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hydraulics of a complex treatment facility.

(b) Possess a Class B certificate.

(c) Have 4 years of acceptable experience in the operation of a Class B or higher treatment facility, 2 years of which shall have been in a supervisory position or a position of major operational responsibility.

(ii) The applicant shall comply with all of the following requirements:

(a) Have completed 2 years of a standard college curriculum in engineering or allied field with sufficient subjects to understand the mechanics, electronics, and hydraulics of a complex treatment facility.

(b) Possess a Class B certificate.

(c) Have 6 years of acceptable experience in the operation of a Class B or higher treatment facility, 2 years of which shall have been in a supervisory position or a position of major operational responsibility.

(b) Class B. To be eligible to write the examination for a Class B certificate, the applicant shall comply with all of the following requirements:

(i) Have completed 1 year of college or its equivalent with sufficient subjects to aid in the understanding of the mechanics, electronics, and hydraulics of a treatment facility.

(ii) Possess a Class C certificate.

(iii) Have 4 years of acceptable experience in the operation of a treatment facility of Class C or higher, 2 years of which shall have been in a supervisory position or a position of major operational responsibility.

(c) Class C. To be eligible to write the examination for a Class C certificate, the applicant shall comply with all of the following requirements:

(i) Have completed high school or its equivalent.

(ii) Possess a Class D certificate.

(iii) Have 2 years of acceptable experience in the operation of a Class D or higher treatment facility.

(d) Class D. To be eligible to write the examination for a Class D certificate, the applicant shall comply with both of the following requirements:

(i) Have completed high school or its equivalent.

(ii) Have 1 year of acceptable experience in the operation of a Class D or higher treatment facility.

(e) Class L2. To be eligible to write the examination for a Class L2 certificate, the applicant shall comply with both of the following requirements:

(i) Have completed high school or its equivalent.

(ii) Have 1 year of acceptable experience in the operation of a Class L2 lagoon system.

(f) Class L1. To be eligible to write the examination for a Class L1 certificate, the applicant shall comply with both of the following requirements:

(i) Have completed high school or its equivalent.

(ii) Have completed 1 year of acceptable experience in the operation of a Class L1 or Class L2 lagoon system.

(g) Class SC. To be eligible to write the examination for a Class SC certificate, the applicant shall comply with both of the following requirements:

(i) Have completed high school or its equivalent.

(ii) Have completed 1 year of acceptable experience in the operation of a Class SC type facility.

(2) Additional education or experience of an applicant may be substituted by the department, with the advice of the board, for meeting the minimum qualifications prescribed in subrule (1) of this rule.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. feb. 27, 2003.

R299.2920 Application for Examination.

Rule 20. (1) The department shall schedule at least 1 examination per year. The department shall make public the dates for examinations not less than 90 days before the dates set for the examinations.

(2) An individual desiring to be certified as in charge of and responsible for the operation of a treatment facility shall file with the department, not less than 45 days before an examination date announced by the department, an application for examination and certification on a form prepared and provided by the department. The information contained on the application shall be evaluated by the department and the information shall constitute a part of the examination.

(3) The department shall notify the applicants of their acceptance for examination and the time and place of the examination not less than 15 days before the date of examination.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. feb. 27, 2003.

R 299.2922 Examination procedures.

Rule 22. (1) Examinations for operator certification shall be prepared by the department, taking into account board review and comment. The examinations shall include, but not be limited to, the following 3 parts:

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- (a) An evaluation of the educational qualifications of the applicant.
 - (b) An evaluation of the experience qualifications of the applicant.
 - (c) A written examination on the general subject of treatment facility operation in any or all of its phases.
 - (2) An applicant shall not be admitted to the written examination unless he or she meets the minimum requirements prescribed in R 299.2918.
 - (3) Separate examinations for each class shall be prepared by the department to encompass basic differences in the duties and responsibilities of operators, types of treatment facilities, variations in wastewater quality, conditions of receiving waters, and such other factors as the department determines.
- History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. feb. 27, 2003.

R 299.2923 Examinations; grading; notification; repeating exam.

- Rule 23. (1) The minimum passing grade for the written examination is 70%.
- (2) The department or others designated by it shall grade each examination.
 - (3) The results of each applicant's examination shall be mailed to that applicant by the department within 60 days after the date of the written examination.
 - (4) Applicants who fail to pass a written examination may repeat the examination at any subsequent, regularly scheduled examination by submitting an application as prescribed by R 299.2920.
- History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. feb. 27, 2003.

R 299.2924 Operator certificates; issuance.

- Rule 24. (1) Following examination, the department shall issue or deny a certificate for each applicant, taking into account the recommendation of the board. Each certificate shall indicate the class of treatment facility or facilities for which the certified operator is entitled to assume responsible charge.
- (2) An operator in another state, a territory or possession of the United States, or another country who holds an operator certificate may apply for reciprocity in obtaining a certificate under this part. When an application for reciprocity is received, the department may do either of the following:
 - (a) Issue a certificate in a comparable classification without examination, if the requirements for certification of operators under which the certificate was issued are comparable to the requirements prescribed by this part.
 - (b) Issue a temporary certificate in a comparable classification without examination which shall expire at such time as the individual has an opportunity to obtain the results from taking the next available equivalent Michigan certification examination, but shall not be for more than 18 months. If the individual fails the equivalent Michigan certification exam, he or she is not eligible for any additional temporary certification.
 - (3) A certificate, other than a replacement or temporary certificate, shall be issued for a period of not less than 36, nor more than 39, months. A certificate that is not renewed shall expire.
- History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. feb. 27, 2003.

R 299.2925 Replacement certificates; renewal requirements; expiration; reinstatement.

- Rule 25. (1) All certificates issued before the effective date of these amendatory rules expire 1 year after the effective date of these amendatory rules.
- (2) An individual who has been issued a certificate before the effective date of these amendatory rules pursuant to the provisions of section 4104 of the act; and who submits to the department, within 10 months after the effective date of these amendatory rules, a completed application on a form provided by the department, shall be issued a replacement certificate at his or her current classification by the department. A replacement certificate may be issued for a term of not less than 3, nor more than 4 ½, years.
 - (3) To renew a certificate, a certified operator shall submit to the department an application for renewal on a form provided by the department.
 - (4) A certified operator shall be responsible for making application to renew a certificate regardless of lack of notification by the department.
 - (5) The board shall evaluate and either approve or disapprove continuing education training and determine the continuing education training hour value. All continuing education training approved by the board shall relate to the duties, responsibilities, operation, maintenance, or supervision of a sewerage system. The board shall categorize all continuing education training as technical, managerial, or other.
 - (6) To renew an A or B certificate, the certified operator shall have completed, during the renewal cycle, not less than 24 hours of board-approved continuing education training. Not less than 6 hours of the training shall be technical training and not less than 6 hours of the training shall be managerial training.
- To renew a Class C, D, L2, or L1 certificate, the certified operator shall have completed, during the renewal cycle, not less

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than 12 hours of board-approved continuing education training. For Class C certification renewal, no more than 6 hours of training in the non-managerial, non-technical category may be used to meet the continuing education requirement.

(8) Individuals holding more than 1 certification need only meet the higher continuing education training requirement of the certifications held.

(9) Types of continuing education training programs that may be approved include, but are not limited to, the following:

(a) Programs sponsored by any of the following entities:

(i) Governmental agencies.

(ii) Professional and trade organizations.

(b) Home study courses and correspondence courses that have independent verification of successful completion.

(c) Technical courses conducted by private contractors.

(d) University, college, and community college courses.

(e) Training programs sponsored by the department and the U.S. Environmental Protection Agency.

(f) Training sponsored by nationally recognized organizations.

(10) The department shall issue renewal certificates to certified operators who verify to the department that they have successfully complied with the continuing education training requirements.

(11) A certified operator shall keep his or her own record of approved continuing education training and present proof of the training upon application for renewal and at any time subsequent to being issued a certificate.

(12) A certified operator who is not eligible for renewal pursuant to the provisions of this rule may apply for examination pursuant to the provisions of R 299.2920.

(13) A Class A or B certified operator who has not met the continuing education training requirements of subrule (6) of this rule may request issuance of a Class C or D certificate for which the requirements have been met.

(14) A certified operator whose certificate has expired may apply for examination at the level equal to or less than the level of the valid certificate previously held pursuant to the provisions of R 299.2920.

(15) The department may reinstate an expired certificate within 1 year from the expiration date of the certificate when an individual has completed the necessary continuing education training requirements as prorated from the certificate's expiration date.

History: 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2925a Restricted certificates for existing operators.

Rule 25a. (1) The owner of a treatment facility reclassified as a result of these rules shall notify the department of all certified operators currently employed by the owner. Such notification shall be made within 90 days after notification by the department that the system has been reclassified or within 2 years from the effective date of these rules.

(a) To the operator or operators identified in subrule (1) of this rule as holding a Class L certificate, the department shall issue a Class L1 replacement certificate.

(b) To the operator or operators identified in subrule (1) of this rule as holding certificates other than a Class L certificate, the department shall issue site specific, restricted certification.

History: 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2926 Operator certificates; probation; revocation; suspension.

Rule 26. (1) Following a review and comment by the board, the department may place on probation, suspend, or revoke the certificate of a certified operator who is adjudged incompetent or unable to properly perform the duties of certified operator in his or her classification, or who has practiced fraud or falsification, or who has been negligent in the discharge of his or her duties or responsibilities. Notice of suspension or revocation shall be provided, by the department, in writing to the certified operator and the owner of the treatment facility.

(2) The department shall not accept an application for examination during the time period of suspension for a certified operator whose certificate has been suspended.

(3) The department may renew a suspended certificate if the applicant meets all renewal requirements. The renewal shall not affect the terms of suspension.

(4) The department shall not accept an application for examination from an individual who has had a certificate revoked, for a period of 5 years from the effective date of the revocation of the certificate. After 5 years, the department may accept an application submitted by an individual who has had a certificate revoked to write an examination at the level previously held.

History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 2003 MR 5, Eff. Feb. 27, 2003.

R 299.2927 Appeals.

Rule 27. (1) A person who is aggrieved by any action under these rules, or who wishes to appeal any other action with respect to his or her certification, shall have an opportunity for a hearing before the department.

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(2) A hearing conducted under this rule shall be conducted in accordance with R 299.2971 to R 299.2974.
History: 1954 ACS 85, Eff. Sept. 24, 1975; 1979 AC; 1999 MR 1, Eff. Jan. 25, 1999; 2003 MR 5, Eff. Feb. 27, 2003.

PART 4. OPERATION AND MAINTENANCE OF SEWERAGE SYSTEMS

R 299.2959
Source: 1998-2000 AACS.

PART 5. HEARINGS

R 299.2971
Source: 1998-2000 AACS.

R 299.2972
Source: 1998-2000 AACS.

R 299.2973
Source: 1998-2000 AACS.

R 299.2974
Source: 1998-2000 AACS.

NATURAL RESOURCES COMMISSION

DEPARTMENT ORGANIZATION AND GENERAL FUNCTIONS

PART 1. NATURAL RESOURCES COMMISSION

R 299.3003
Source: 1997 AACS.

R 299.3006
Source: 1997 AACS.

PART 2. NATURAL RESOURCES DEPARTMENT

R 299.3006a
Source: 1989 AACS.

R 299.3007
Source: 1997 AACS.

R 299.3008
Source: 1997 AACS.

R 299.3009
Source: 1997 AACS.

R 299.3010
Source: 1997 AACS.

R 299.3011
Source: 1997 AACS.

R 299.3012
Source: 1997 AACS.

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R 299.3013
Source: 1997 AACs.

R 299.3014
Source: 1997 AACs.

R 299.3015
Source: 1997 AACs.

R 299.3016
Source: 1997 AACs.

R 299.3017
Source: 1997 AACs.

R 299.3018
Source: 1997 AACs.

R 299.3019
Source: 1997 AACs.

R 299.3020
Source: 1997 AACs.

R 299.3021
Source: 1997 AACs.

R 299.3022
Source: 1997 AACs.

R 299.3023
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R 299.3024
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R 299.3025
Source: 1997 AACs.

R 299.3026
Source: 1997 AACs.

R 299.3027
Source: 1997 AACs.

R 299.3028
Source: 1997 AACs.

R 299.3029
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R 299.3030
Source: 1997 AACs.

R 299.3031
Source: 1997 AACs.

R 299.3032
Source: 1997 AACs.

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R 299.3033
Source: 1997 AACS.

R 299.3034
Source: 1997 AACS.

R 299.3035
Source: 1997 AACS.

R 299.3036
Source: 1997 AACS.

R 299.3037
Source: 1997 AACS.

R 299.3038
Source: 1997 AACS.

R 299.3039
Source: 1997 AACS.

LANDS DIVISION

METALLIC MINERALS LEASES ON STATE LANDS

R 299.4001
Source: 1984 AACS.

R 299.4002
Source: 1984 AACS.

R 299.4003
Source: 1984 AACS.

R 299.4004
Source: 1984 AACS.

R 299.4005
Source: 1984 AACS.

R 299.4006
Source: 1984 AACS.

R 299.4007
Source: 1984 AACS.

NONMETALLIC MINERALS LEASES ON STATE LANDS

R 299.4021
Source: 1987 AACS.

R 299.4022
Source: 1987 AACS.

R 299.4023
Source: 1987 AACS.

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R 299.4024
Source: 1987 AACS.

R 299.4025
Source: 1987 AACS.

R 299.4026
Source: 1987 AACS.

R 299.4027
Source: 1987 AACS.

**REAL ESTATE DIVISION
UNDERGROUND GAS STORAGE LEASES ON STATE LANDS**

R 299.4051
Source: 1990 AACS.

R 299.4052
Source: 1990 AACS.

R 299.4053
Source: 1990 AACS.

R 299.4054
Source: 1990 AACS.

R 299.4055
Source: 1990 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTE MANAGEMENT DIVISION
SOLID WASTE MANAGEMENT
PART 1. GENERAL PROVISIONS**

R 299.4101
Source: 1998-2000 AACS.

R 299.4102
Source: 1998-2000 AACS.

R 299.4103
Source: 1998-2000 AACS.

R 299.4104
Source: 1998-2000 AACS.

R 299.4105
Source: 1998-2000 AACS.

R 299.4106
Source: 1982 AACS.

R 299.4106a

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Source: 1998-2000 AACs.

R 299.4107

Source: 1998-2000 AACs.

R 299.4108

Source: 1998-2000 AACs.

R 299.4109

Source: 1982 AACs.

R 299.4110

Source: 1998-2000 AACs.

R 299.4111

Source: 1998-2000 AACs.

R 299.4112

Source: 1993 AACs.

R 299.4113

Source: 1998-2000 AACs.

R 299.4114

Source: 1998-2000 AACs.

R 299.4115

Source: 1993 AACs.

R 299.4116

Source: 1993 AACs.

R 299.4117

Source: 1993 AACs.

R 299.4118

Source: 1998-2000 AACs.

R 299.4119

Source: 1998-2000 AACs.

R 299.4120

Source: 1998-2000 AACs.

R 299.4121

Source: 1993 AACs.

R 299.4122

Source: 1993 AACs.

R 299.4123

Source: 1993 AACs.

R 299.4124

Source: 1993 AACs.

R 299.4125

Source: 1993 AACs.

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- R 299.4126**
Source: 1993 AACS.
- R 299.4127**
Source: 1993 AACS.
- R 299.4128**
Source: 1998-2000 AACS.
- R 299.4129**
Source: 1998-2000 AACS.
- R 299.4130**
Source: 1993 AACS.
- R 299.4131**
Source: 1998-2000 AACS.
- R 299.4132**
Source: 1998-2000 AACS.
- R 299.4133**
Source: 1998-2000 AACS.
- R 299.4134**
Source: 1998-2000 AACS.
- R 299.4135**
Source: 1998-2000 AACS.
- R 299.4136**
Source: 1998-2000 AACS.
- R 299.4137**
Source: 1998-2000 AACS.
- R 299.4138**
Source: 1993 AACS.
- R 299.4139**
Source: 1998-2000 AACS.
- R 299.4140**
Source: 1998-2000 AACS.
- R 299.4141**
Source: 1998-2000 AACS.

PART 2. CERTIFICATION OF LOCAL HEALTH DEPARTMENTS

- R 299.4201**
Source: 1993 AACS.
- R 299.4202**
Source: 1982 AACS.
- R 299.4203**
Source: 1998-2000 AACS.

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R 299.4204
Source: 1982 AACS.

R 299.4205
Source: 1982 AACS.

R 299.4206
Source: 1982 AACS.

PART 3. TYPE III LANDFILLS

R 299.4301
Source: 1998-2000 AACS.

R 299.4302
Source: 1998-2000 AACS.

R 299.4303
Source: 1993 AACS.

R 299.4304
Source: 1998-2000 AACS.

R 299.4305
Source: 1998-2000 AACS.

R 299.4306
Source: 1998-2000 AACS.

R 299.4307
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R 299.4308
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R 299.4309
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R 299.4310
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R 299.4311
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R 299.4313
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R 299.4314
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R 299.4315
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R 299.4316
Source: 1993 AACS.

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R 299.4317
Source: 1998-2000 AACS.

R 299.4318
Source: 1993 AACS.

R 299.4319
Source: 1993 AACS.

PART 4. MUNICIPAL SOLID WASTE LANDFILLS

R 299.4401
Source: 1997 AACS.

R 299.4402
Source: 1997 AACS.

R 299.4403
Source: 1997 AACS.

R 299.4404
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R 299.4405
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R 299.4406
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R 299.4408
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R 299.4409
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R 299.4410
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R 299.4411
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R 299.4412
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R 299.4413
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R 299.4414
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R 299.4415
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R 299.4416

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Source: 1998-2000 AACS.

R 299.4417

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R 299.4418

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R 299.4419

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R 299.4420

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R 299.4421

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R 299.4436
Source: 1998-2000 AACS.

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R 299.4438
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R 299.4440
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R 299.4449
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R 299.4450
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R 299.4451
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R 299.4452
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R 299.4453
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R 299.4454
Source: 1998-2000 AACS.

PART 5. SOLID WASTE TRANSFER FACILITIES AND PROCESSING PLANTS

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R 299.4501
Source: 1998-2000 AACS.

R 299.4502
Source: 1993 AACS.

R 299.4503
Source: 1982 AACS.

R 299.4504
Source: 1998-2000 AACS.

R 299.4505
Source: 1998-2000 AACS.

R 299.4506
Source: 1993 AACS.

R 299.4507
Source: 1993 AACS.

R 299.4508
Source: 1982 AACS.

R 299.4509
Source: 1993 AACS.

PART 6. SOLID WASTE TRANSPORTING UNITS

R 299.4601
Source: 1982 AACS.

R 299.4602
Source: 1982 AACS.

PART 7. SOLID WASTE MANAGEMENT PLANS

R 299.4701
Source: 1982 AACS.

R 299.4702
Source: 1982 AACS.

R 299.4703
Source: 1982 AACS.

R 299.4704
Source: 1982 AACS.

R 299.4705
Source: 1982 AACS.

R 299.4706
Source: 1982 AACS.

R 299.4707
Source: 1982 AACS.

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R 299.4708
Source: 1982 AACS.

R 299.4709
Source: 1982 AACS.

R 299.4710
Source: 1982 AACS.

R 299.4711
Source: 1982 AACS.

R 299.4712
Source: 1982 AACS.

PART 8. GRANTS

R 299.4801
Source: 1982 AACS.

R 299.4802
Source: 1982 AACS.

R 299.4803
Source: 1982 AACS.

R 299.4804
Source: 1982 AACS.

R 299.4805
Source: 1982 AACS.

R 299.4806
Source: 1982 AACS.

R 299.4807
Source: 1982 AACS.

PART 9. LANDFILL CONSTRUCTION PERMITS AND OPERATING LICENSES

R 299.4901
Source: 1998-2000 AACS.

R 299.4902
Source: 1998-2000 AACS.

R 299.4903
Source: 1998-2000 AACS.

R 299.4904
Source: 1998-2000 AACS.

R 299.4905
Source: 1993 AACS.

R 299.4906
Source: 1998-2000 AACS.

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R 299.4907
Source: 1998-2000 AACS.

R 299.4908
Source: 1998-2000 AACS.

R 299.4909
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R 299.4910
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R 299.4911
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R 299.4912
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R 299.4913
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R 299.4914
Source: 1993 AACS.

R 299.4915
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R 299.4916
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R 299.4917
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R 299.4918
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R 299.4919
Source: 1998-2000 AACS.

R 299.4920
Source: 1993 AACS.

R 299.4921
Source: 1998-2000 AACS.

R 299.4922
Source: 1998-2000 AACS.

**ENVIRONMENTAL RESPONSE DIVISION
SITE RECLAMATION GRANT/LOAN PROGRAM**

R 299.5051
Source: 1991 AACS.

R 299.5052
Source: 1991 AACS.

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R 299.5053
Source: 1991 AACS.

R 299.5054
Source: 1991 AACS.

R 299.5055
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R 299.5056
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R 299.5057
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R 299.5058
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R 299.5059
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R 299.5060
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R 299.5061
Source: 1991 AACS.

ENVIRONMENTAL CONTAMINATION RESPONSE ACTIVITY

PART 1. GENERAL PROVISIONS

Pursuant to MCL 24.257(1), Office of Regulatory Reform has decided to omit from the Michigan Register the Environmental Response Division Proposed Administrative Rules promulgated by the Michigan Department of Environmental Quality under the identifying number #1995-020. ORR has determined that publication of the rule would be unreasonably expensive or lengthy.

The Michigan Department of Environmental Quality (DEQ) has revised the administrative rules promulgated pursuant to Part 201, Environmental Remediation, of Michigan's Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. The rules were filed with the Secretary of State on December 13, 2002, and took effect on December 21, 2002. The rules provide for full implementation of land use-based cleanup criteria; set forth algorithms for calculation of generic cleanup criteria, along with the generic cleanup criteria and the toxicological, chemical, and physical property values used to derive all cleanup criteria; explain requirements for remedial action plans and other stages of response activity; clarify which types of response activity require DEQ approval; describe the conditions that must be satisfied for response activity to be considered complete; clarify affirmative obligations of liable persons; and update rules that deal with program administration, such as the inventory of contaminated sites, public funding for the cleanup program, and alternate water service.

Copies of the rules are available for inspection at all Department of Environmental Quality, Remediation and Redevelopment Division offices. The rules can be viewed and downloaded from the Internet through www.michigan.gov/deq. Navigate to the rules by selecting "Land," then the Quick Link to "New Part 201 Rules." Copies of the rules may also be obtained by contacting the Lansing office of the Remediation and Redevelopment Division, P.O. Box 30426, Lansing, Michigan 48909-7926, telephone number 517-373-9838.

Copies of the rules can also be viewed and reprinted from the Internet through the Office of Regulatory Reform website: www.michigan.gov/orr.

History: 1990 MR 6, Eff. July 12, 1990; 2002 MR 24, Eff. Dec. 21, 2002.

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R 299.5103
Source: 1990 AACS.

R 299.5105
Source: 1990 AACS.

R 299.5107
Source: 1990 AACS.

R 299.5109
Source: 1990 AACS.

R 299.5111
Source: 1990 AACS.

R 299.5113
Source: 1990 AACS.

R 299.5115
Source: 1990 AACS.

PART 2. SITE IDENTIFICATION AND LIST

R 299.5201
Source: 1990 AACS.

R 299.5203
Source: 1990 AACS.

R 299.5205
Source: 1990 AACS.

R 299.5207
Source: 1990 AACS.

R 299.5209
Source: 1990 AACS.

R 299.5211
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R 299.5213
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R 299.5215
Source: 1990 AACS.

R 299.5217
Source: 1990 AACS.

PART 3. FUNDING

R 299.5301
Source: 1990 AACS.

R 299.5303
Source: 1990 AACS.

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R 299.5305
Source: 1990 AACS.

PART 4. ALTERNATE WATER SUPPLIES

R 299.5401
Source: 1990 AACS.

R 299.5403
Source: 1990 AACS.

R 299.5405
Source: 1990 AACS.

R 299.5407
Source: 1990 AACS.

R 299.5409
Source: 1990 AACS.

R 299.5411
Source: 1990 AACS.

R 299.5413
Source: 1990 AACS.

R 299.5415
Source: 1990 AACS.

PART 5. RESPONSE ACTIVITIES

R 299.5501
Source: 1990 AACS.

R 299.5503
Source: 1990 AACS.

R 299.5505
Source: 1990 AACS.

R 299.5507
Source: 1990 AACS.

R 299.5509
Source: 1990 AACS.

R 299.5511
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R 299.5513
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R 299.5515
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R 299.5519
Source: 1990 AACS.

PART 6. SELECTION OF REMEDIAL ACTION

R 299.5601
Source: 1990 AACS.

R 299.5603
Source: 1990 AACS.

R 299.5605
Source: 1990 AACS.

R 299.5607
Source: 1990 AACS.

PART 7. CLEANUP CRITERIA

R 299.5701
Source: 1990 AACS.

R 299.5703
Source: 1990 AACS.

R 299.5705
Source: 1990 AACS.

R 299.5707
Source: 1990 AACS.

R 299.5709
Source: 1990 AACS.

R 299.5711
Source: 1990 AACS.

R 299.5713
Source: 1990 AACS.

R 299.5715
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R 299.5717
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R 299.5719
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R 299.5721
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R 299.5723
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R 299.5725
Source: 1990 AACS.

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R 299.5727
Source: 1990 AACS.

PART 8. SITE ASSESSMENT MODEL

R 299.5801
Source: 1990 AACS.

R 299.5803
Source: 1990 AACS.

R 299.5805
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R 299.5807
Source: 1990 AACS.

R 299.5809
Source: 1990 AACS.

R 299.5811
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R 299.5813
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R 299.5815
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R 299.5817
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R 299.5819
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R 299.5821
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R 299.5823
Source: 1990 AACS.

PART 9. BASELINE ENVIRONMENTAL ASSESSMENTS

R 299.5901
Source: 1998-2000 AACS.

R 299.5903
Source: 1998-2000 AACS.

R 299.5905
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R 299.5907
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R 299.5909
Source: 1998-2000 AACS.

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R 299.5911
Source: 1998-2000 AACS.

R 299.5913
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R 299.5915
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R 299.5917
Source: 1998-2000 AACS.

R 299.5919
Source: 1998-2000 AACS.

**LAND AND WATER MANAGEMENT DIVISION
GREAT LAKES BOTTOMLANDS PRESERVES**

R 299.6001
Source: 1981 AACS.

R 299.6002
Source: 1981 AACS.

R 299.6003
Source: 1983 AACS.

R 299.6004
Source: 1985 AACS.

R 299.6005
Source: 1987 AACS.

R 299.6006
Source: 1988 AACS.

R 299.6007
Source: 1988 AACS.

R 299.6008
Source: 1991 AACS.

R 299.6009
Source: 1991 AACS.

R 299.6010
Source: 1998-2000 AACS.

R 299.6011
Source: 1998-2000 AACS.

**WASTE MANAGEMENT DIVISION
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R 299.6101—R 299.7305

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Source: 1997 AACS.

**DEPARTMENT OF NATURAL RESOURCES
REAL ESTATE DIVISION
OIL AND GAS LEASES ON STATE LANDS**

R 299.8101
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R 299.8102
Source: 1981 AACS.

R 299.8103
Source: 1981 AACS.

R 299.8104
Source: 1981 AACS.

R 299.8105
Source: 1981 AACS.

R 299.8106
Source: 1981 AACS.

R 299.8107
Source: 1981 AACS.

**DEPARTMENT OF ENVIRONMENTAL QUALITY
SURFACE WATER QUALITY DIVISION
WASTEWATER REPORTING**

R 299.9001
Source: 1998-2000 AACS.

R 299.9002
Source: 1998-2000 AACS.

R 299.9003
Source: 1998-2000 AACS.

R 299.9004
Source: 1998-2000 AACS.

R 299.9005
Source: 1998-2000 AACS.

R 299.9006
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R 299.9007
Source: 1998-2000 AACS.

R 299.9008
Source: 1998-2000 AACS.

R 299.9019

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**WASTE MANAGEMENT DIVISION
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PART 1. GENERAL PROVISIONS

R 299.9101

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R 299.9102

Source: 1998-2000 AACS.

R 299.9103

Source: 1998-2000 AACS.

R 299.9104

Source: 1998-2000 AACS.

R 299.9105

Source: 1998-2000 AACS.

R 299.9106

Source: 1998-2000 AACS.

R 299.9107

Source: 1998-2000 AACS.

R 299.9108

Source: 1998-2000 AACS.

R 299.9109

Source: 1998-2000 AACS.

R 299.9199

Source: 1985 AACS.

PART 2. IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

R 299.9201

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R 299.9202

Source: 1998-2000 AACS.

R 299.9203

Source: 1998-2000 AACS.

R 299.9204

Source: 1998-2000 AACS.

R 299.9205

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R 299.9206

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- R 299.9207**
Source: 1994 AACS.
- R 299.9208**
Source: 1985 AACS.
- R 299.9209**
Source: 1998-2000 AACS.
- R 299.9210**
Source: 1998-2000 AACS.
- R 299.9211**
Source: 1989 AACS.
- R 299.9212**
Source: 1998-2000 AACS.
- R 299.9213**
Source: 1994 AACS.
- R 299.9214**
Source: 1996 AACS.
- R 299.9215**
Source: 1988 AACS.
- R 299.9216**
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- R 299.9217**
Source: 1994 AACS.
- R 299.9218**
Source: 1998-2000 AACS.
- R 299.9219**
Source: 1988 AACS.
- R 299.9220**
Source: 1998-2000 AACS.
- R 299.9221**
Source: 1988 AACS.
- R 299.9222**
Source: 1998-2000 AACS.
- R 299.9223**
Source: 1994 AACS.
- R 299.9224**
Source: 1998-2000 AACS.
- R 299.9225**
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- R 299.9226**
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R 299.9226
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R 299.9227
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R 299.9228
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R 299.9229
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R 299.9230
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PART 3. GENERATORS OF HAZARDOUS WASTE

R 299.9301
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R 299.9302
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R 299.9303
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R 299.9304
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R 299.9305
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R 299.9306
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R 299.9307
Source: 1998-2000 AACS.

R 299.9308
Source: 1998-2000 AACS.

R 299.9309
Source: 1988 AACS.

R 299.9310
Source: 1994 AACS.

R 299.9311
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R 299.9312
Source: 1998-2000 AACS.

PART 4. TRANSPORTERS OF HAZARDOUS WASTE

R 299.9401
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- R 299.9402**
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- R 299.9403**
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- R 299.9404**
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- R 299.9405**
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- R 299.9406**
Source: 1998-2000 AACS.
- R 299.9407**
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- R 299.9408**
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- R 299.9409**
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- R 299.9410**
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- R 299.9411**
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- R 299.9412**
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- R 299.9413**
Source: 1998-2000 AACS.

PART 5. CONSTRUCTION PERMITS AND OPERATING LICENSES

- R 299.9501**
Source: 1998-2000 AACS.
- R 299.9502**
Source: 1998-2000 AACS.
- R 299.9503**
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- R 299.9504**
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- R 299.9505**
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- R 299.9506**
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- R 299.9507**
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R 299.9508
Source: 1998-2000 AACS.

R 299.9509
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R 299.9510
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R 299.9511
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R 299.9514
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R 299.9515
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R 299.9516
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R 299.9520
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R 299.9521
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R 299.9522
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R 299.9523
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R 299.9524
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R 299.9525
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**PART 6. OWNERS AND OPERATORS OF HAZARDOUS WASTE TREATMENT,
STORAGE, AND DISPOSAL FACILITIES**

R 299.9601
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R 299.9602
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R 299.9603
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R 299.9604
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R 299.9605
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R 299.9606
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R 299.9607
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R 299.9621
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R 299.9625
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R 299.9630
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R 299.9631
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R 299.9633
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R 299.9634
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R 299.9635
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R 299.9636
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R 299.9637
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R 299.9638
Source: 1998-2000 AACS.

PART 7. FINANCIAL CAPABILITY

R 299.9701
Source: 1998-2000 AACS.

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R 299.9702
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R 299.9703
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R 299.9704
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R 299.9705
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R 299.9706
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R 299.9707
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R 299.9708
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R 299.9709
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R 299.9710
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R 299.9711
Source: 1998-2000 AACS.

R 299.9712
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R 299.9713
Source: 1996 AACS.

**PART 8. MANAGEMENT OF SPECIFIC HAZARDOUS WASTES, SPECIFIC TYPES OF HAZARDOUS WASTE
MANAGEMENT FACILITIES, AND USED OIL**

R 299.9801
Source: 1996 AACS.

R 299.9802
Source: 1997 AACS.

R 299.9803
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R 299.9804
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R 299.9805
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R 299.9806
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R 299.9807
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R 299.9808
Source: 1998-2000 AACS.

R 299.9809
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R 299.9810
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R 299.9812
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R 299.9819
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R 299.9820
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R 299.9821
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PART 9. HAZARDOUS WASTE SERVICE FUND

R 299.9901
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R 299.9902
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R 299.9903
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R 299.9904
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R 299.9906
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PART 10. AVAILABILITY OF REFERENCED MATERIALS

R 299.11001
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R 299.11002
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R 299.11003
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R 299.11004
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R 299.11005
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R 299.11006
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R 299.11007
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R 299.11008
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PART 11. CERTIFIED LOCAL HEALTH DEPARTMENTS

R 299.11101
Source: 1998-2000 AACS.

R 299.11102
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R 299.11103
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R 299.11104
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R 299.11105
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R 299.11106
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R 299.11107
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SOLID WASTE ALTERNATIVES PROGRAM

PART 1. GENERAL PROVISIONS

R 299.12101
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PART 2. ELIGIBILITY

R 299.12201
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R 299.12202
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R 299.12205
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R 299.12207
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R 299.12210
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R 299.12215
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PART 3. APPLICATIONS

R 299.12301
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R 299.12302
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PART 4. WASTE REDUCTION AND RECOVERY PROJECT CATEGORIES

R 299.12401
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PART 5. CLOSURE AND TRANSFER STATIONS

R 299.12501
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R 299.12502
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PART 6. SOLID WASTE PROGRAM ADMINISTRATION

R 299.12601

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R 299.12602

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R 299.12621
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PART 7. STATE SOLID WASTE PROJECTS

R 299.12701
Source: 1989 AACS.

DEPARTMENT OF ENVIRONMENTAL QUALITY

ENVIRONMENTAL RESPONSE DIVISION

ENVIRONMENTAL CONTAMINATION RESPONSE ACTIVITY

PART 10. COMPLIANCE WITH SECTION 20107a OF ACT

R 299.51001
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R 299.51003
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R. 299.51005
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R 299.51007
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R 299.51009
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R 299.51011
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R 299.51013
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R 299.51015
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R 299.51017
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R 299.51019
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R 299.51021

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